XDS Software Reference Guide

XDS Control Suite
XDS Control Center
R33005300
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Version 2.0
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Reference guide

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1. INTRODUCTION

Overview

- About this manual
- Related products
- Symbols and fonts

1.1 About this manual

Documentation

This manual is part of the documentation set describing the XDS software.

Part number	Description	Type	Level	Sensitivity
R59770418	User Guide	Manual	User	Public
R59770497	Reference guide	Manual	Administrator	Public
-	Installation manual	Presentations	Installer	Confidential (Barco only)

Versioning

This manual is applicable to the following software versions:

Manual version	XDS software version
R59770418	2

1.2 Related products

Software related products

The XDS software suite is a set of software tools. The main tools are the following:

Description	Components / Used for
XDS CC Wall installer SW	- Display walls based on Transform A / WND-264 - Software only display walls
XDS CC Projector installer SW	Systems with a PC and 1 or 2 projectors (no Transform A, nor WND-264)
XDS CC XDC–3000 installer	XDC-3000
XDS CC Client installer for Windows	Remote Control Center
	Network Desktop Sharing
XDS CC Remote pointer installer	Remote Mouse and Keyboard control of image generators connected to the display wall

Hardware related products

Description	Components/Used for
XDS-1000	Multi-channel, multi-windowing, stereo/mono video processor
XDS-400	4–channel, multi-windowing, stereo/mono video processor
XDS-200	2–channel, multi-windowing, stereo/mono video processor
XDS-100	1–channel, multi-windowing, stereo/mono video processor
WND264	Customizable, multi-channel, multi-windowing, stereo/mono video processor
TransformA	Customizable, multi-channel, multi-windowing, mono video processor

The following table lists the range of Barco projectors with embedded XDS processor

Type of projectors	Projectors
Mono projectors	Sim5W
	NH12
	NW12
Stereo projectors	Galaxy NH12
	Galaxy NW7
	Galaxy NW12

The range of related hardware products may evolve over time, and Barco gives no guarantee that future versions of the XDS software will support all of the above hardware products.

1.3 Symbols and fonts

Symbols overview

The following icons are used in the manual :

Icons	Description
ℹ	Info, term definition. General info about the term.
🗎	Note, gives extra information about the described subject.
☞	Tip, gives extra advice about the described subject.

Font overview

- Buttons are indicated in bold, e.g. **OK**.
- Menu items are indicated in *italic*.
- Step related notes, tips, warnings or cautions are printed in *italic*.
- Procedure related notes, tips, warnings or cautions are printed in bold between 2 lines preceded by the corresponding icon.

2. OVERVIEW OF THE XDS SOFTWARE

Overview

- Introducing display software
- Introducing client software

Introduction

Barco’s XDS software is a flexible tool for managing mutli-windowing displays that use Barco XDS mutli-windowing processors. Besides the core functions of source and layout management, the XDS software also supports features like desktop sharing, remote source control, video conference control, extended mouse and keyboard control, remote administration and more. The XDS software is easy to setup - and is well integrated into the operating system. It comprises of display software and client software. Using the display software, you can launch different sources, organize them as layouts, and save them under different presentations. Features like sharing your desktop on the XDS display, controlling XDS displays remotely through LAN, and controlling your desktop from the XDS display by enabling remote keyboard and mouse control, are some of the functionalities of the client software.

The XDS Control Center software highlights:

- **Wizard:** Use the simple wizards that pop up for configuring different settings in just a few simple steps
- **Source and layout management:** Use this feature to launch different sources, organize the sources as layouts, and save them under different presentations
- **Feedback:** The feedback messages describe the status of the action performed by you. It also describes the reason behind that particular status message if the action has failed to perform. Feedback messages can be information message, warning message or error message.
- **Desktop sharing:** Use the desktop sharing feature to share your desktop on the XDS display
- **Video conference:** Add a video conference system to XDS display and start using its controls instantly
- **Privacy settings:** Restrict or derestrict a remote user from sharing his/her desktop on the XDS display during an ongoing meeting. You can also disconnect the connection between the XDS display and the remote user
- **Shortcut keys:** Instantly adjust setups without running the XDS Control Center application using the shortcut keys
- **User management:** During installation, enable this feature to use different sessions, each customized to different sources and layouts

An overview of the XDS Control Center software is displayed below.

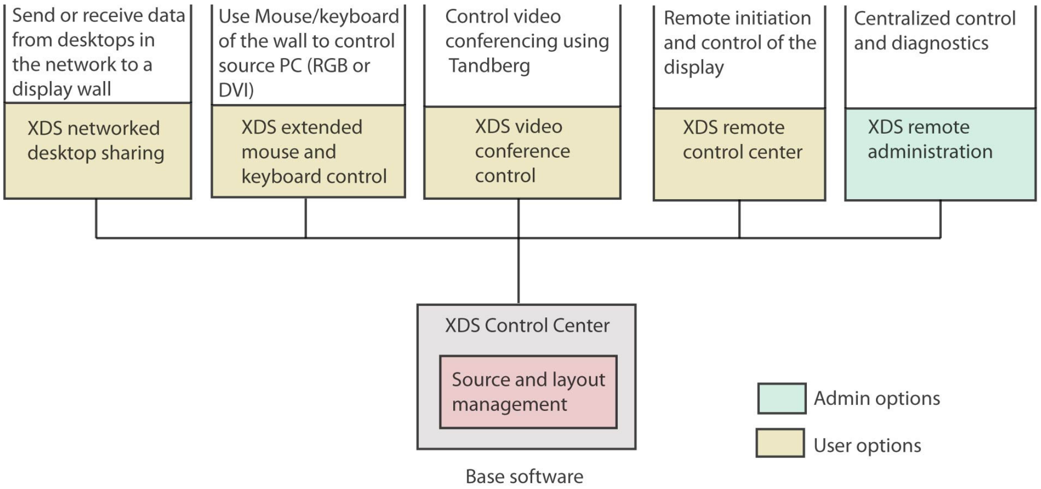

Send or receive data from desktops in the network to a display wall
XDS networked desktop sharing
Use Mouse/keyboard of the wall to control source PC (RGB or DVI)
XDS extended mouse and keyboard control
Control video conferencing using Tandberg
XDS video conference control
Remote initiation and control of the display
XDS remote control center
Centralized control and diagnostics
XDS remote administration
XDS Control Center
Source and layout management
Base software
Admin options
User options

Image 2-1
XDS Control Center software overview

2.1 Introducing display software

About XDS Control Center

The XDS Control Center is the main user Interface of XDS software. It provides an easy-to-use interface letting you perform various operations in a quick way. Using this software, you can manage all the sources (i.e. hard wired sources and desktop sharing sources). This software supports user management feature, which allows the creation of different user-owned sessions, in which layouts can be created and saved. The layouts and presentations created by one session user will not be visible for another session user.

The XDS Control Center software provides many other functionalities such as modifying the viewer, managing the layout of different sources, setting privacy options, configuring video conference device and integrating video conference control, and more. This software gives you the flexibility to configure the GUI settings of XDS Control Center as per your choice.

2.2 Introducing client software

About XDS Desktop Sharing

Using the XDS Desktop Sharing client software, you can launch a viewer showing your desktop screen on the connected XDS display(s). Provided you must be connected through network (LAN). In another scenario, a user of the display wall can launch a viewer (using the XDS Control Center) showing the desktop of a remote user, after that user has connected to the display.

When using the XDS Desktop Sharing client application, you can easily scan for the available displays on the network by click of a button and get connected to the displays. You can display your desktop on multiple XDS displays at the same time. You can automate the connection and sharing of your desktop on a display by enabling auto connect and auto share option. This software also contains authentication feature, which when enabled blocks the user of the XDS display from launching your desktop without his/her authentication.

The image below gives you the usage model of the XDS display software and client software.

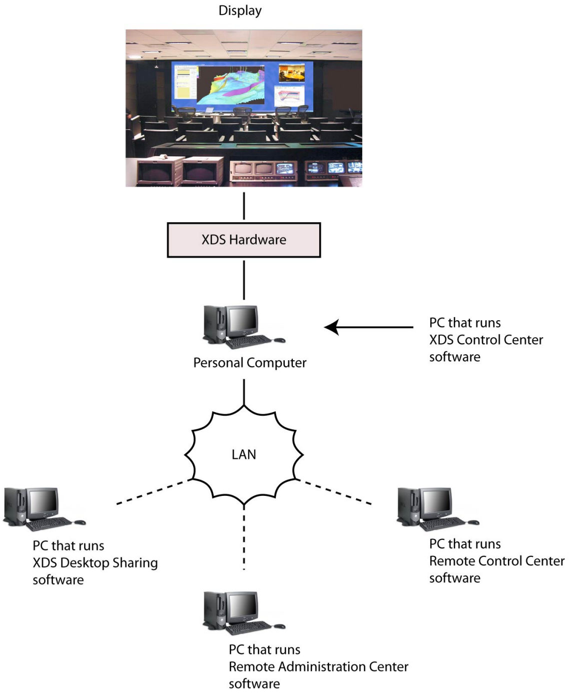

Display
XDS Hardware
Personal Computer
PC that runs
XDS Control Center
software
LAN
PC that runs
XDS Desktop Sharing
software
PC that runs
Remote Control Center
software
PC that runs
Remote Administration Center
software

Image 2-2
XDS software: Usage model

About XDS Remote Control Center

The XDS Remote Control Center client software is an application running on a PC, allowing you to remotely control and manage an XDS display in the network, which in turn is controlled by XDS Control Center. In other words, the XDS Remote Control Center is the client version of the XDS Control Center. This software component is running on a client PC installed in the same LAN as the server PC. On application startup, you can connect to any of the display systems in the local network. For connecting to external displays, the external display scanner is used. You can work in online or offline mode to download, load, save, and upload different configurations files for later use.

3. XDS CONTROL CENTER

Overview

- Starting the XDS Control Center application
- Bringing up the XDS Control Center GUI
- XDS Control Center GUI
- Hiding the XDS Control Center application
- Closing an XDS session
- Launching of a source
- Settings of a source — right-click option
- Introduction to layouts
- Using the video conference control
- Installing the license file

3.1 Starting the XDS Control Center application

How to start the XDS Control Center application?

After installing the XDS display software, you need to reboot your system (desktop generating PC). The XDS Control Center application starts up.

Please wait for 20 to 30 seconds for the XDS application to start up.

You will see an image similar to the image displayed below.

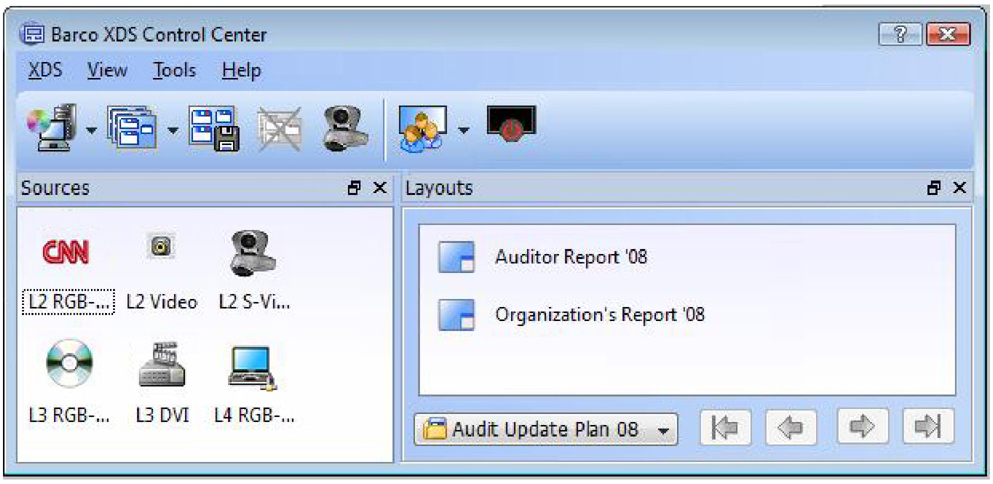


Image 3-1
XDS Control Center application: User management disabled

It is not necessary that the application should open up just like the image displayed above, which is the **expert view**, but it can also open up in **minimal** or **compact** view. Refer to "XDS Control Center GUI: Levels of view", page 13.

While installing, if User Management is disabled the above scenario works fine. A default session will be started. And anyone who logs in to the desktop generating PC will be able to see the default session. But with this option, only one user session can be created.

The login details can be different to the Windows login of this computer. Different users can login to one single XDS Control Center.

But, if you have enabled **User Management** option while installing, you might see the following image.

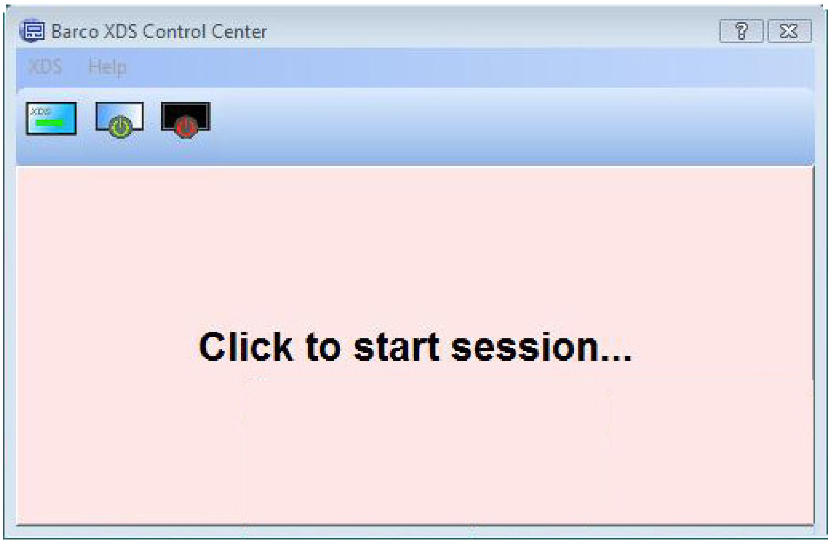

Barco XDS Control Center
XDS
Help
Click to start session...

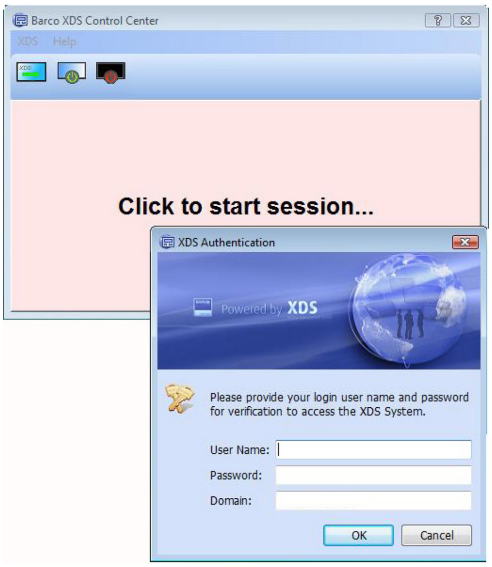
Image 3-2
Start session

Click on **Click to start session**... to open the XDS control center application. For more details, please read the topic below.

The XDS Authentication Dialog

During installation, if you have enabled User Management and selected the option, **Automatically at Windows Login**, then on startup/login of Desktop generating PC, the XDS session will open automatically.

If you have enabled User Management and selected the option, **Using XDS Authentication Dialog**, then on startup you will be prompted to open a session by entering any valid credential of that particular server's domain.


Barco XDS Control Center
XDS
Help
Click to start session...
XDS Authentication
Powered by XDS
User Name:
Password:
Domain:
OK
Cancel

Please provide your login user name and password for verification to access the XDS System.

Image 3-3
Authentication window

1. In the **User Name** text field, enter a valid user name
2. In the **Password** text field, enter the password for the specified user name
3. In the **Domain** text field, enter the domain name of the server
4. Click **OK**

The XDS Control Center application will open and the layouts and preferences of this particular session user will be loaded.

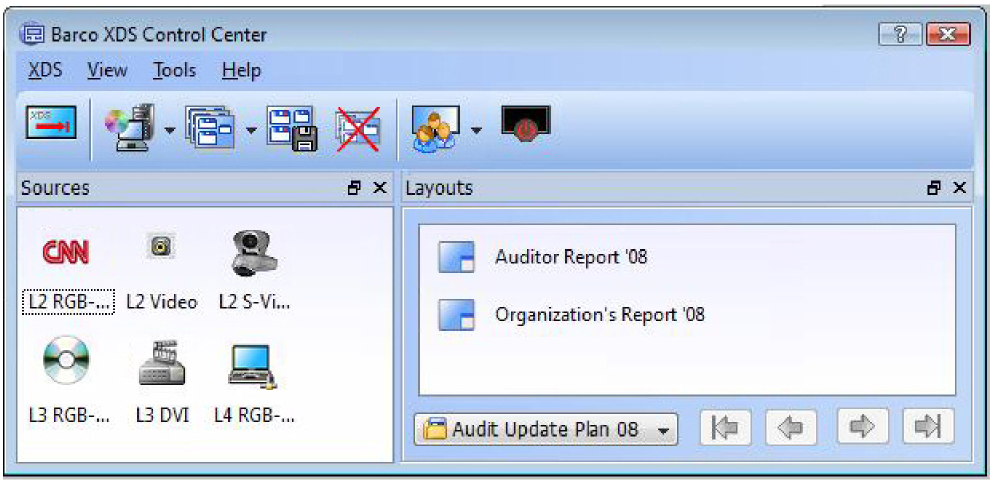

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
Auditor Report '08
Organization's Report '08
Audit Update Plan 08

Image 3-4
XDS Control Center: Open a session

When user management is enabled, you will find a new icon on the XDS Control Center application on the toolbar. This icon is used to close a session

3.2 Bringing up the XDS Control Center GUI

Different ways to bring up the XDS Control Center GUI

The various methods of bringing up the control center GUI from your desktop are displayed below.

- Double-click the *XDS Control Center* icon on your desktop. See Label 1.
- Right-click on your desktop or in a video insertion viewer and select *XDS Control Center* in the menu. See Label 2.

- Single-click the XDS Control Center icon in the tool bar. See Label 3.

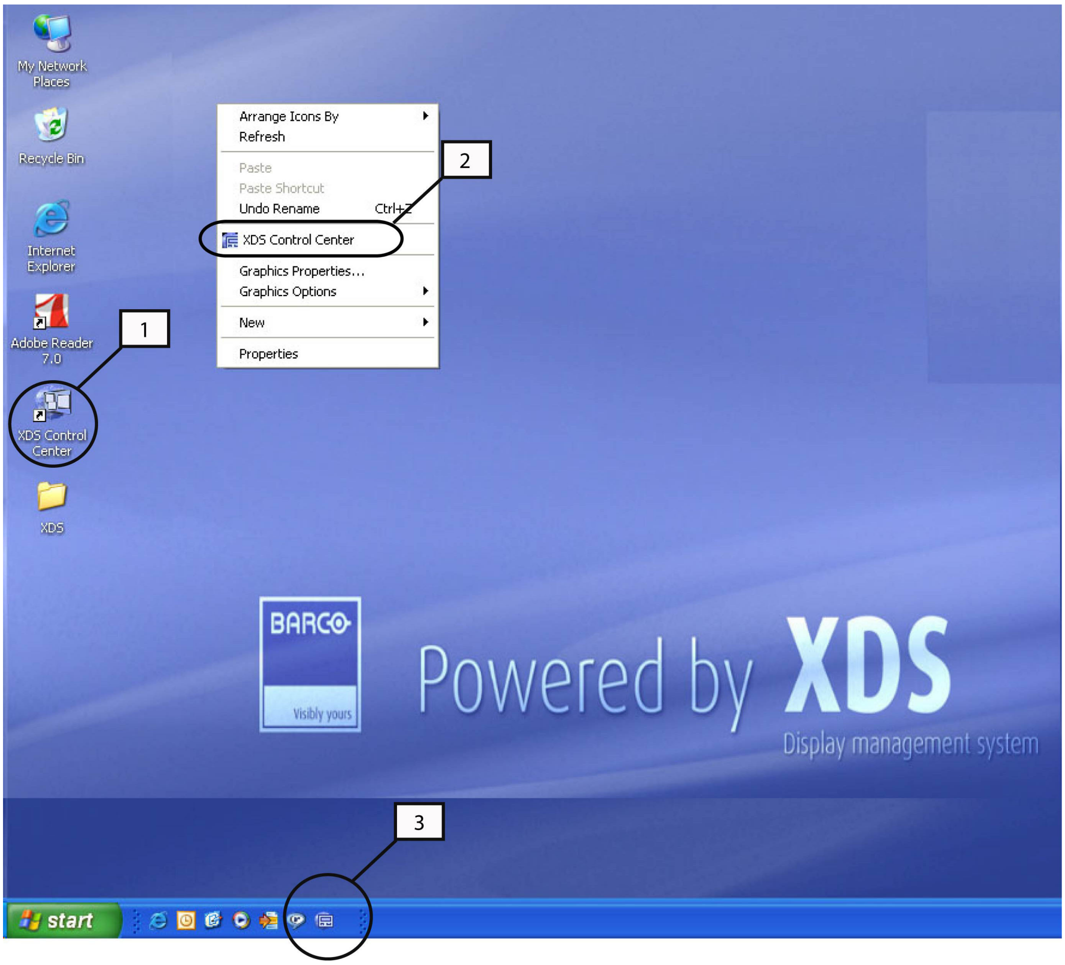

My Network Places
Recycle Bin
Internet Explorer
Adobe Reader 7.0
XDS Control Center
XDS
Arrange Icons By
Refresh
Paste
Paste Shortcut
Undo Rename Ctrl+Z
XDS Control Center
Graphics Properties...
Graphics Options
New
Properties
1
2
3
BARCO Visibly yours
Powered by XDS
Display management system
start

Image 3-5
XDS software: different modes to invoke XDS CC GUI

- Double-click the XDS Control Center icon in the System tray. See Label 4.

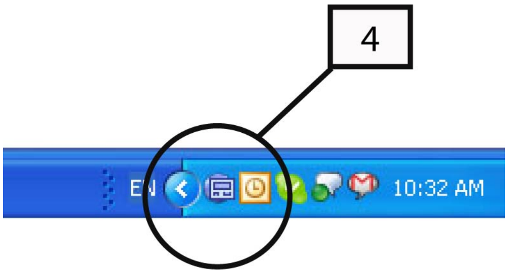


Image 3-6
XDS software: invoke XDS CC GUI from tray

3.3 XDS Control Center GUI

Overview

- XDS Control Center GUI: Levels of view
- XDS Control Center GUI: Changing the level of view
- XDS Control Center GUI: Menu bar
- XDS Control Center GUI: Toolbar
- XDS Control Center GUI: Sources View
- XDS Control Center GUI: Layouts View
- Setting privacy options
- Configuring GUI settings of XDS Control Center

3.3.1 XDS Control Center GUI: Levels of view

Introduction

The XDS Control Center is the main user interface of the XDS software suite. When the XDS Control Center application is started, its window will be similar to any of the following views. The XDS Control Center GUI is designed as three views: minimal, compact and expert. The degree of accessibility differs depending on the type of view. You can change the look and feel of the XDS Control Center GUI to your wishes. See the *XDS Software Reference guide* for more details.

Minimal view

The minimal view is the basic view of the application. You can open a source from the sources drop-down list and you can open a layout from the layouts drop-down list. You need to use the menu bar to access the many other features of the software. The minimal view of XDS CC GUI is displayed below for your reference.

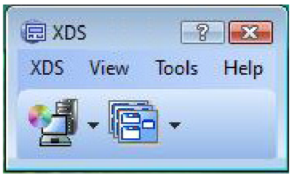

XDS
XDS
View
Tools
Help

Image 3-7
XDS Control Center GUI: minimal view

Compact view

The compact view is the intermediate level which displays most of the software’s features in the toolbar. You can access various functionalities using the tool bar, menu bar, and drop-down list.

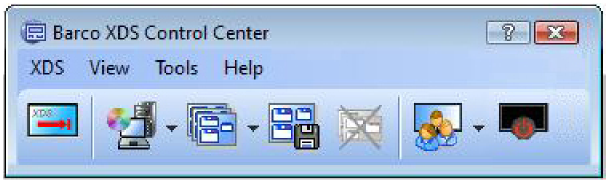

Barco XDS Control Center
XDS
View
Tools
Help

Image 3-8
XDS Control Center GUI: compact view

Expert view

The expert view is the expanded view of the application. It gives a detailed look of the features available with the software such as the layouts, sources, and reports. You can click to open a source directly from the Source dock widget or click open a layout from the Layout dock widget.

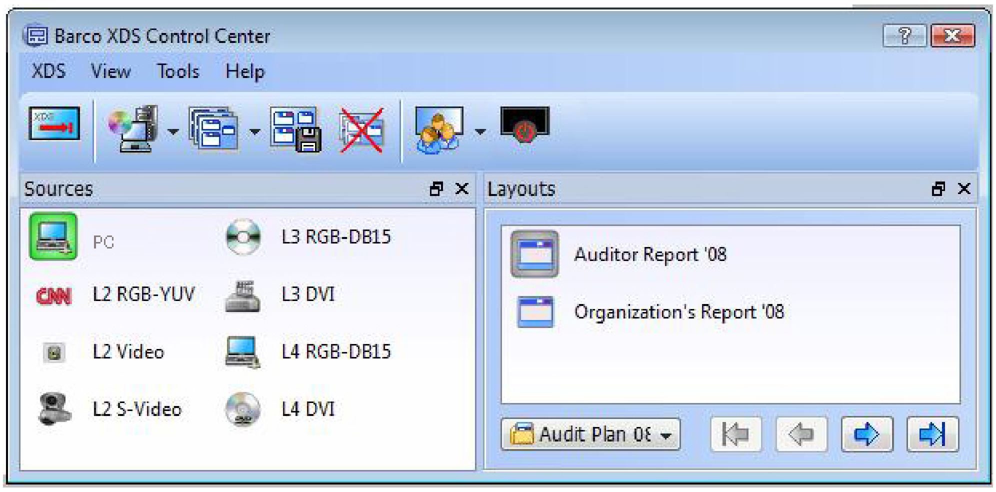

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-9
XDS Control Center GUI: expert view

3.3.2 XDS Control Center GUI: Changing the level of view

How to change the level of view?

You can switch to a different view depending on your requirement.

1. In the XDS Control Center GUI, click *View* from the menu bar

A drop-down list will open.

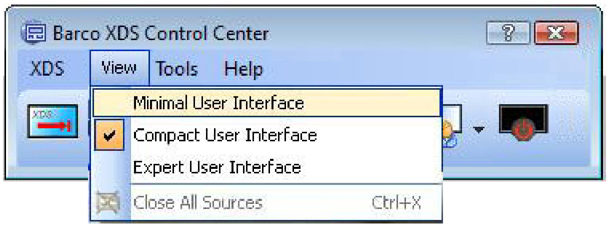

Barco XDS Control Center
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Close All Sources
Ctrl+X

Image 3-10
XDS CC GUI: change the level of view

2. Now click the view of your choice

3.3.3 XDS Control Center GUI: Menu bar

Menu bar

The application-specific menu bar of XDS software provides access to functions such as launching sources, saving layouts, changing views, configuring the GUI settings, and importing a license file. The menu items under each menu are displayed in the following image.

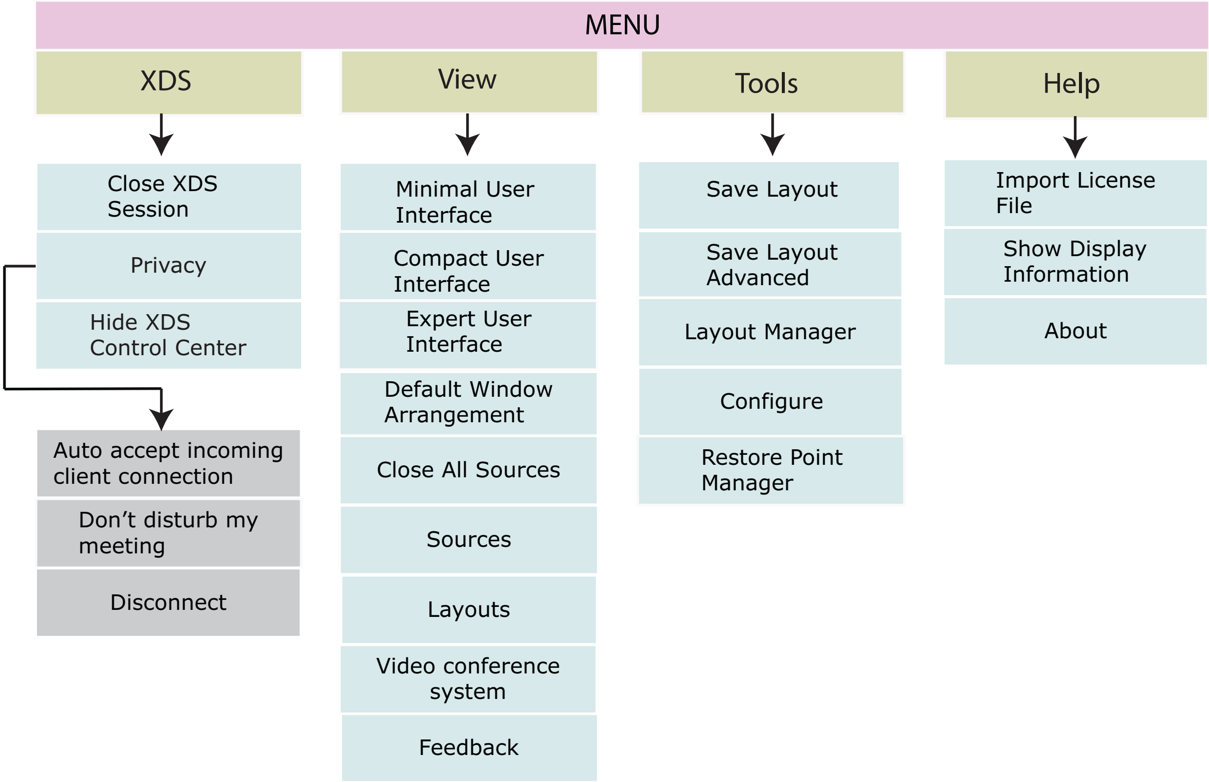

MENU
XDS
View
Tools
Help
Close XDS Session
Privacy
Hide XDS Control Center
Auto accept incoming client connection
Don't disturb my meeting
Disconnect
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources
Sources
Layouts
Video conference system
Feedback
Save Layout
Save Layout Advanced
Layout Manager
Configure
Restore Point Manager
Import License File
Show Display Information
About

Image 3-11
XDS Control Center GUI: Menu bar

- **XDS**: enables you to access privacy options and hide XDS CC GUI
- **View**: enables you to switch to different GUI views; switch to default window arrangement; hide and show Sources and Layouts dock widgets; and hide and show Feedback window
- **Tools**: enables you to save a layout; save a layout with advanced options; manage layouts using layout manager; save the current state of XDS Control Center display; and modify the GUI settings of XDS Control Center
- **Help**: enables you to import a license file, view the information entered while installing, and view the XDS version, module version and Built date

3.3.4 XDS Control Center GUI: Toolbar

Toolbar

The tool bar is a user friendly tool with on-screen buttons and menus to get direct access to main features. The XDS Control Center GUI toolbar is displayed below with an explanation of the buttons.

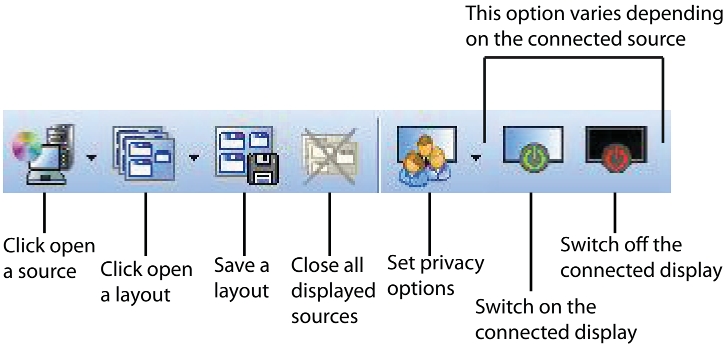

This option varies depending on the connected source
Click open a source
Click open a layout
Save a layout
Close all displayed sources
Set privacy options
Switch on the connected display
Switch off the connected display

Image 3-12
XDS Control Center: Toolbar

3.3.5 XDS Control Center GUI: Sources View

Introduction

The sources view provides a very flexible user interface to access the sources. You can dock the widget inside the XDS Control Center GUI or drag the widget out of the dock area entirely so that it becomes a free floating widget. You can also change the view of the source icon displayed in the widget.

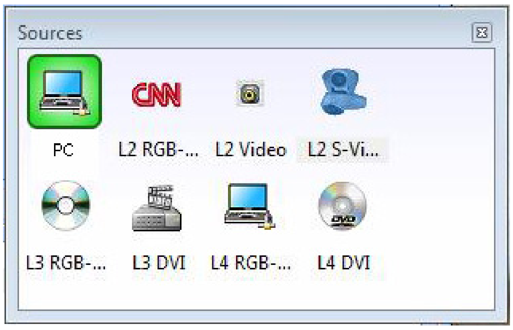

Sources
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI

Image 3-13
Sources widget

Icon view – List view

Right click on the widget to open the **View** menu. And switch to **Icon View** or **List View** by selecting your choice.

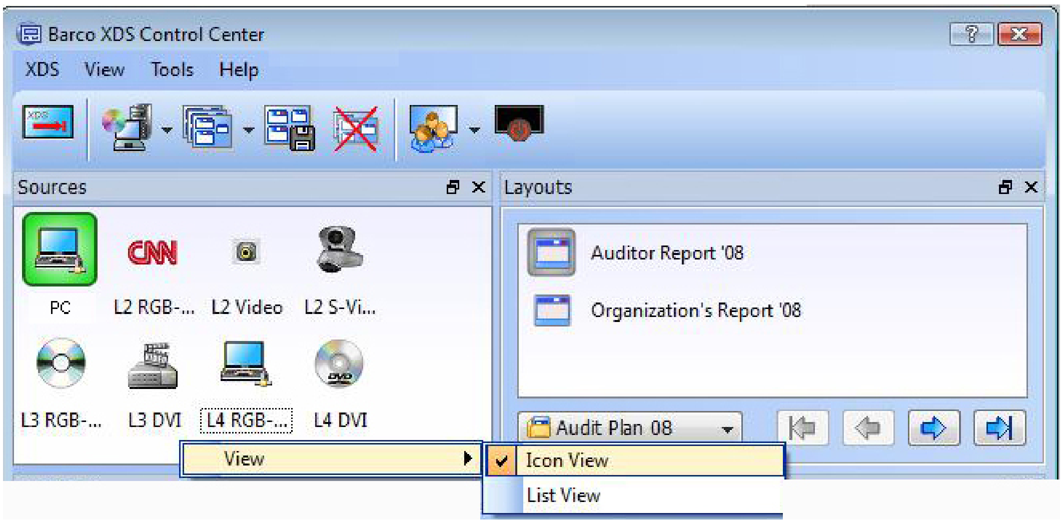

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08
View
Icon View
List View

Image 3-14
Sources widget: Change view

Changing the icon of a source

You can change the icon of a source displayed on your **Sources** view. It can be the icon of an active source (a source which is currently displayed), or an inactive source (a source which is not displayed).

To change the icon for a source:

1. Right-click on the source icon to open the context menu
2. Click *Change icon...*

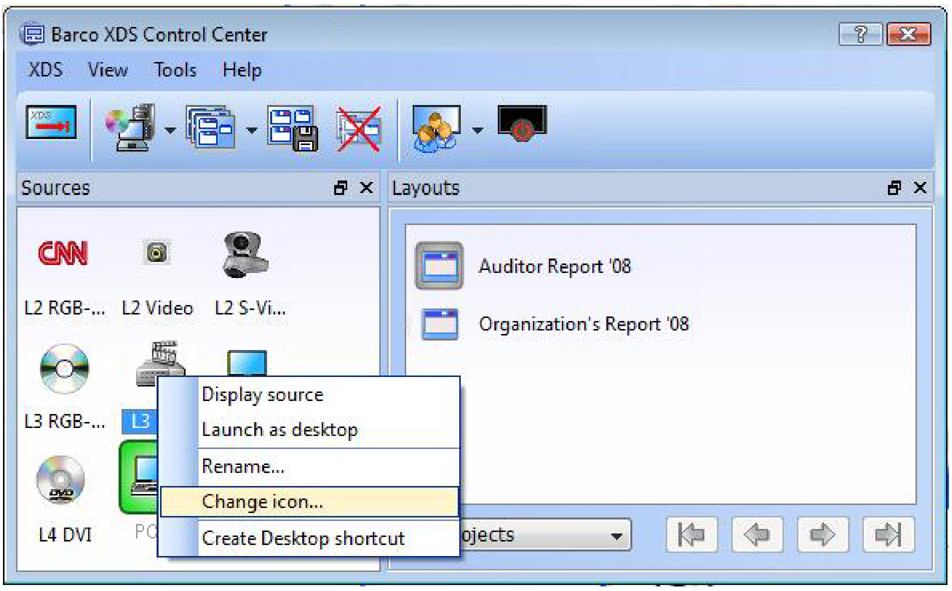

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3
L4 DVI
PC
Auditor Report '08
Organization's Report '08
Display source
Launch as desktop
Rename...
Change icon...
Create Desktop shortcut
ojects

Image 3-15
Context menu: Change the icon

The **Change Icon** dialog box opens. It displays a list of available standard icons.

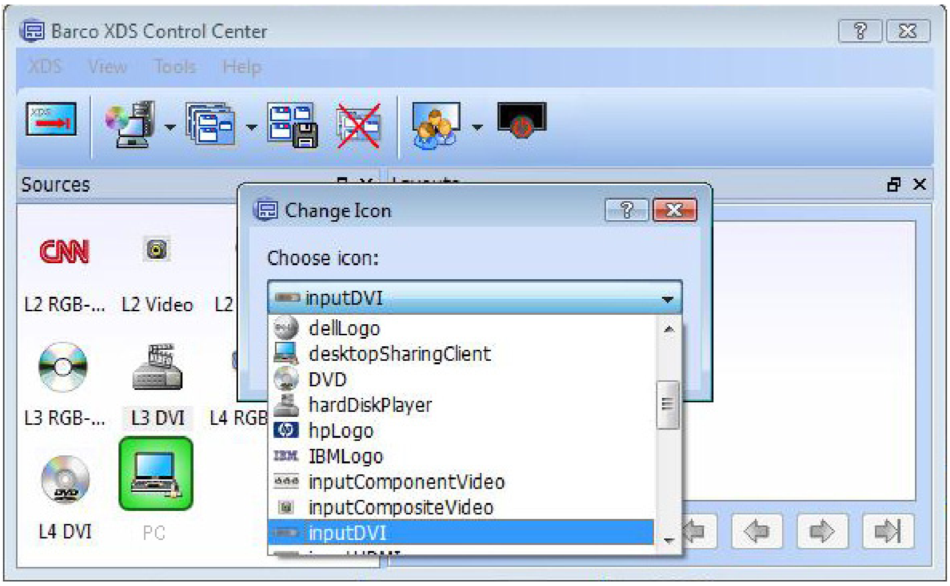

Barco XDS Control Center
XDS
View
Tools
Help
Sources
L2 RGB-...
L2 Video
L2
L3 RGB-...
L3 DVI
L4 RGB
L4 DVI
PC
Change Icon
Choose icon:
inputDVI
dellLogo
desktopSharingClient
DVD
hardDiskPlayer
hpLogo
IBMLogo
inputComponentVideo
inputCompositeVideo
inputDVI

Image 3-16
Available standard icons

3. Select an icon from the drop-down list
4. Click **OK**

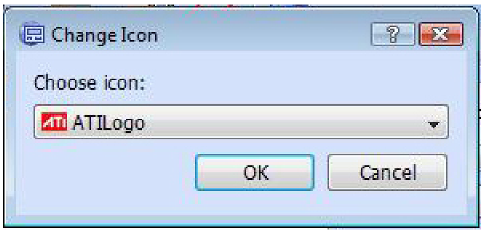

Change Icon
Choose icon:
ATILogo
OK
Cancel

Image 3-17
Context menu: Select icon

The old icon will be replaced by the new icon.

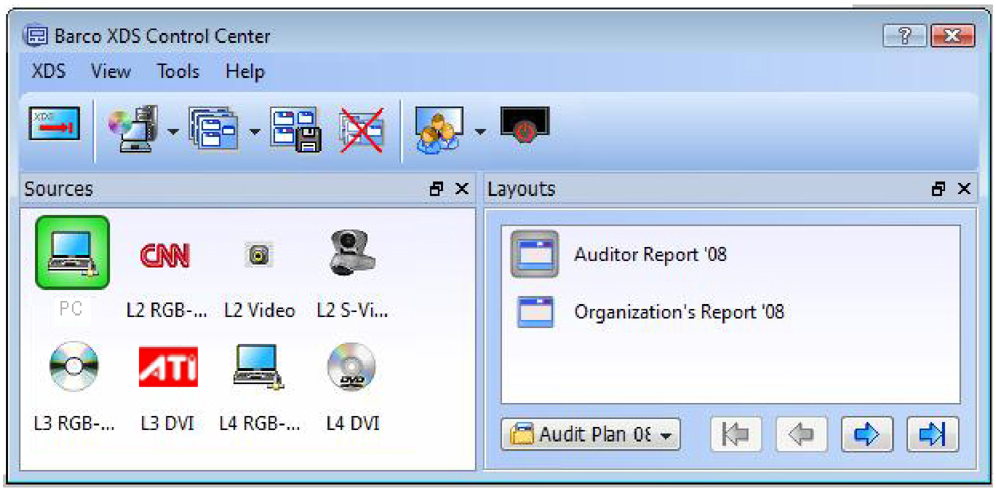

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-18
Changed icon

The standard icons are available in .ico and .png format. You will find different resolutions of every standard icon, i.e. 16 x 16, 24 x 24, 32 x 32, 48 x 48, and 64 x 64.

To know more about adding new icons to the XDS Control Center GUI, refer to **XDS Sofware Reference Guide**.

Renaming a source icon

You can rename a source icon displayed on your source widget.

1. Right-click on the source icon to open the context menu
2. Click *Rename...*

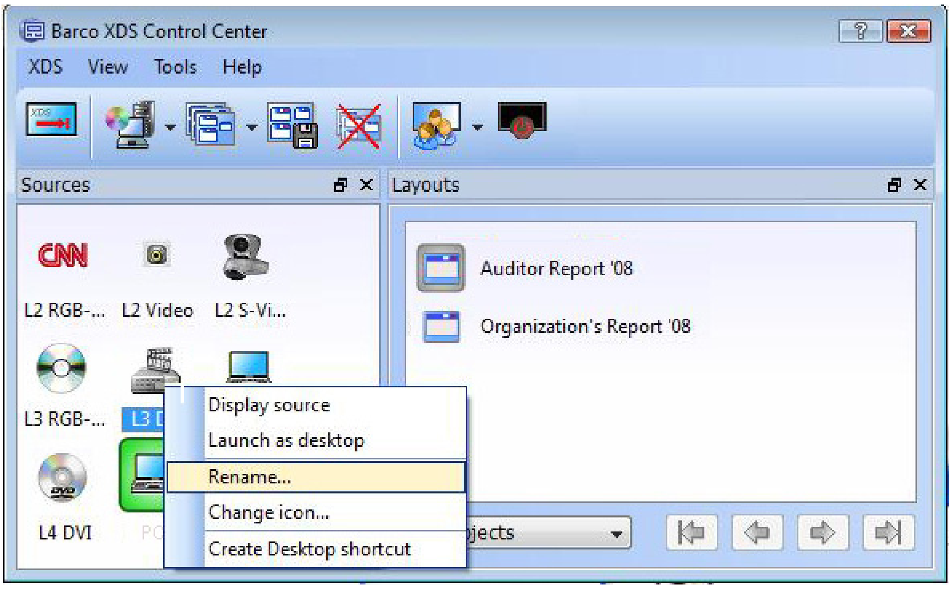
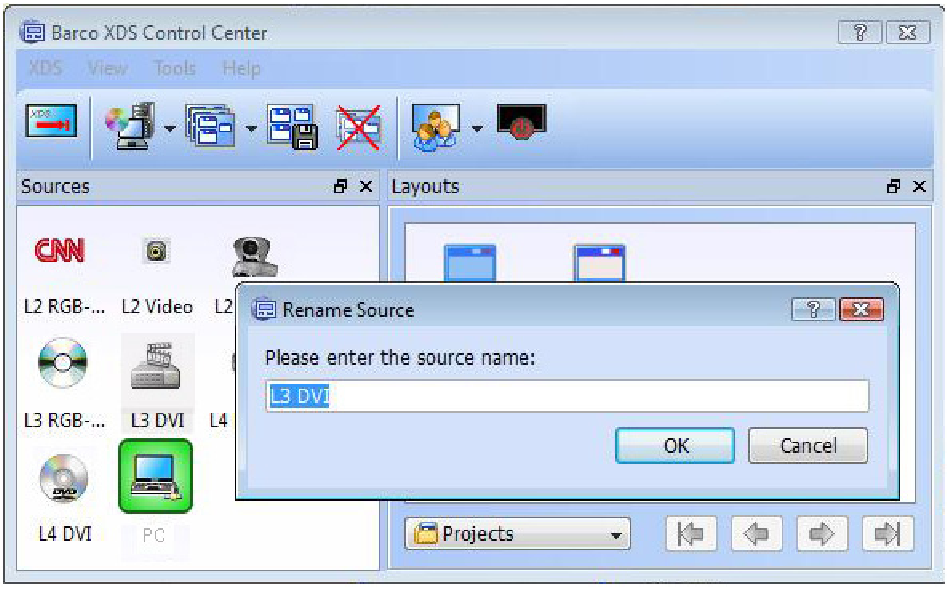

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 D
L4 DVI
PC
Auditor Report '08
Organization's Report '08
Display source
Launch as desktop
Rename...
Change icon...
Create Desktop shortcut
jects

Image 3-19
Rename the source icon

The **Rename Source** dialog box opens.


Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2
L3 RGB-...
L3 DVI
L4
L4 DVI
PC
Rename Source
OK
Cancel
Projects

Please enter the source name:

L3 DVI

Image 3-20
Enter a new name for source

3. Enter the new name for the source icon
4. Click **OK**
   The old name will be replaced by the new name.

You cannot rename or change the icon of an active source (which refers to the displayed source) icon. You will not find the option to rename when you right-click on an active source icon.

Launching a source as desktop background

You can set a source as desktop background of the display wall. In that case the selected source will act as wallpaper.

This capability is only possible with XDS-100 (the projectors with embedded XDS processor). It is not available with XDS-150, XDS-200, XDS-400, and XDS-1000.

To set a source as desktop background:

1. Right-click on the source icon to open the context menu
2. Click *Launch as Desktop*

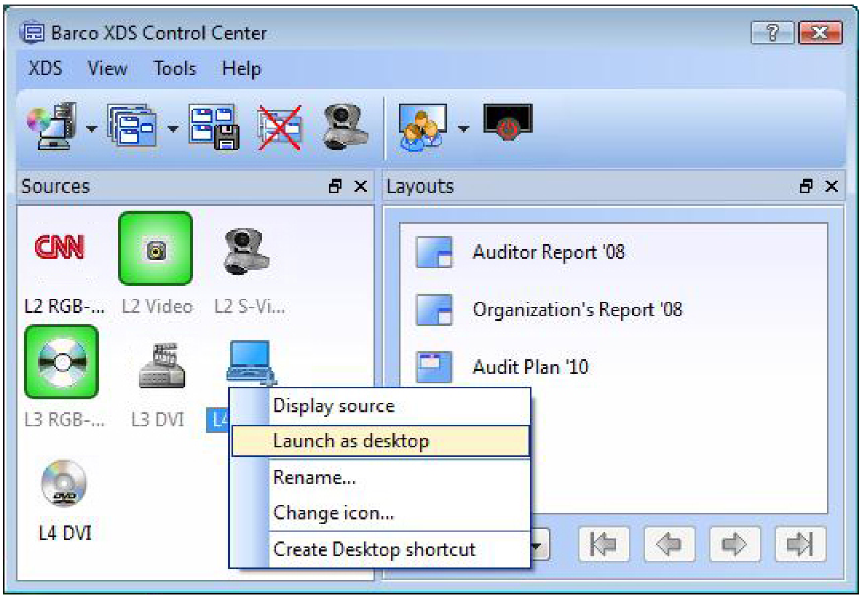

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 DVI
Auditor Report '08
Organization's Report '08
Audit Plan '10
Display source
Launch as desktop
Rename...
Change icon...
Create Desktop shortcut

Image 3-21
Launch as desktop

The selected source will be displayed as desktop background on the display.

Removing a source used as desktop background

To remove a source being used as a desktop background:

1. Right-click on the source displayed as desktop background to open the context menu
2. Click *Remove from desktop*

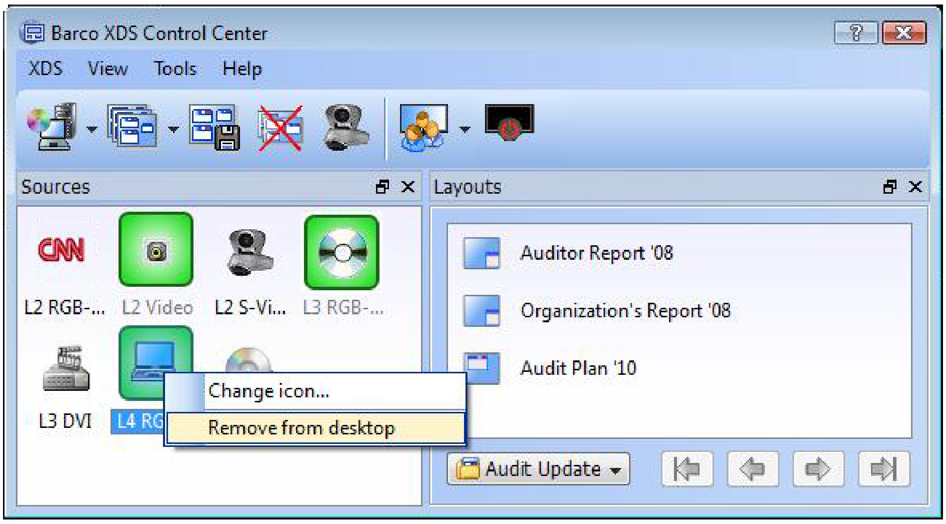

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RG
Auditor Report '08
Organization's Report '08
Audit Plan '10
Change icon...
Remove from desktop
Audit Update

Image 3-22
Remove from desktop

The source will be removed from the desktop.

Creating a desktop shortcut for a source

To easily launch a source from the desktop, you can create a shortcut of the source on the desktop.

1. Right-click on the source to open the context menu
2. Click *Desktop shortcut*

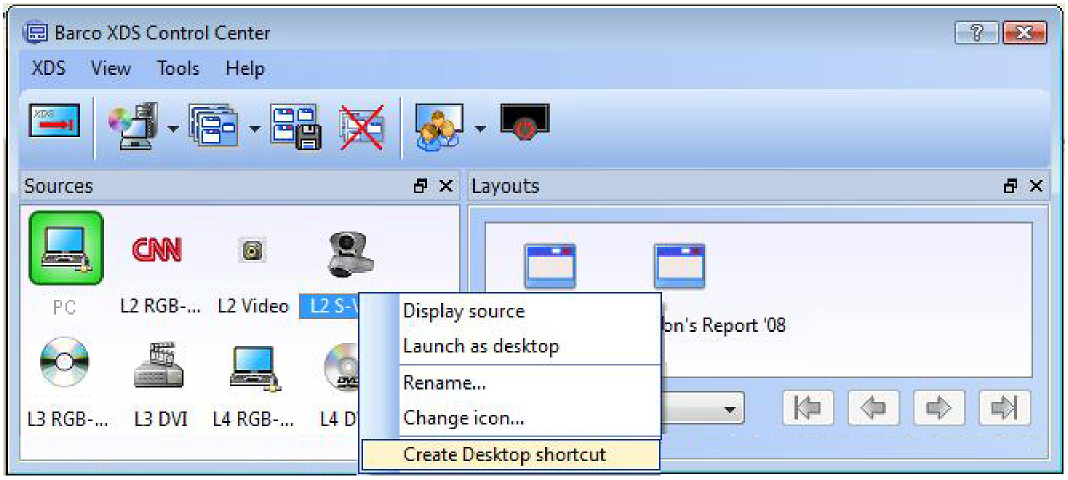

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-...
L2 Video
L2 S-V
L3 RGB-...
L3 DVI
L4 RGB-...
L4 D
Layouts
on's Report '08
Display source
Launch as desktop
Rename...
Change icon...
Create Desktop shortcut

Image 3-23
Context menu: Create desktop shortcut

You will find a shortcut of the source created on the desktop.

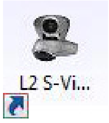


Image 3-24
Desktop shortcut

Dragging the widget inside the XDS Control Center GUI

Click the title bar of the widget and keep the button held down and move the widget anywhere inside the GUI to place the widget inside the GUI. When you move the widget inside, you will find that a receiving area will be highlighted in the XDS Control Center GUI.

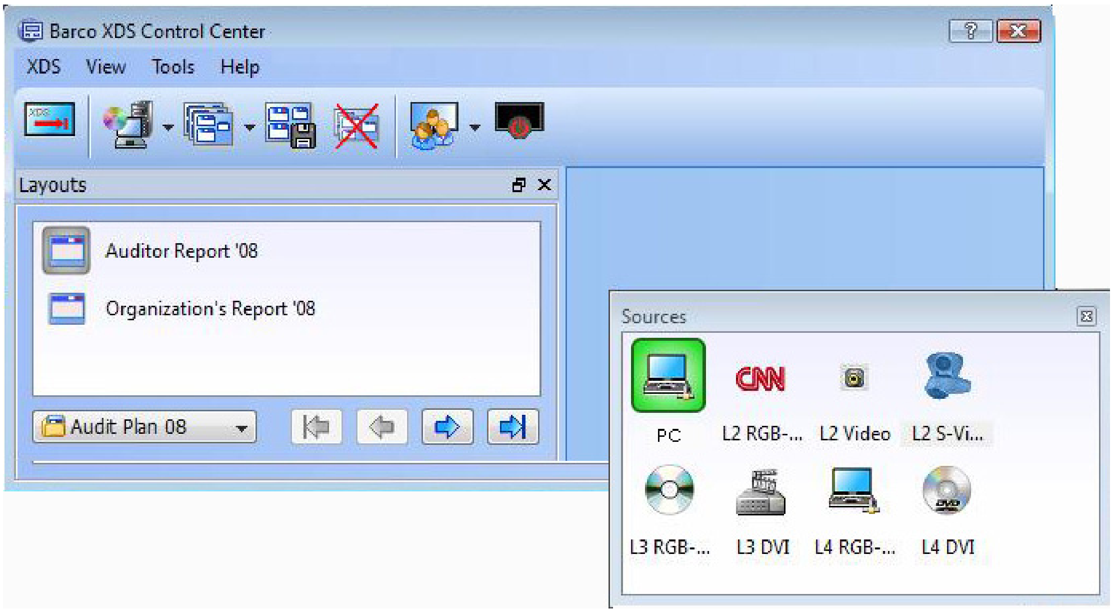

Barco XDS Control Center
XDS
View
Tools
Help
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08
Sources
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI

Image 3-25
Sources widget: Docking the widget inside

When you drag the widget to dock it in a different position inside the GUI, make sure the GUI is big enough for the widget to fit in. If the GUI is too small, then you will not be able to dock the widget inside. You can maximize the GUI by pulling the sides or corners of the GUI.

Dragging the widget out of the XDS Control Center GUI

Use the title bar of the widget to drag it from one area to another.

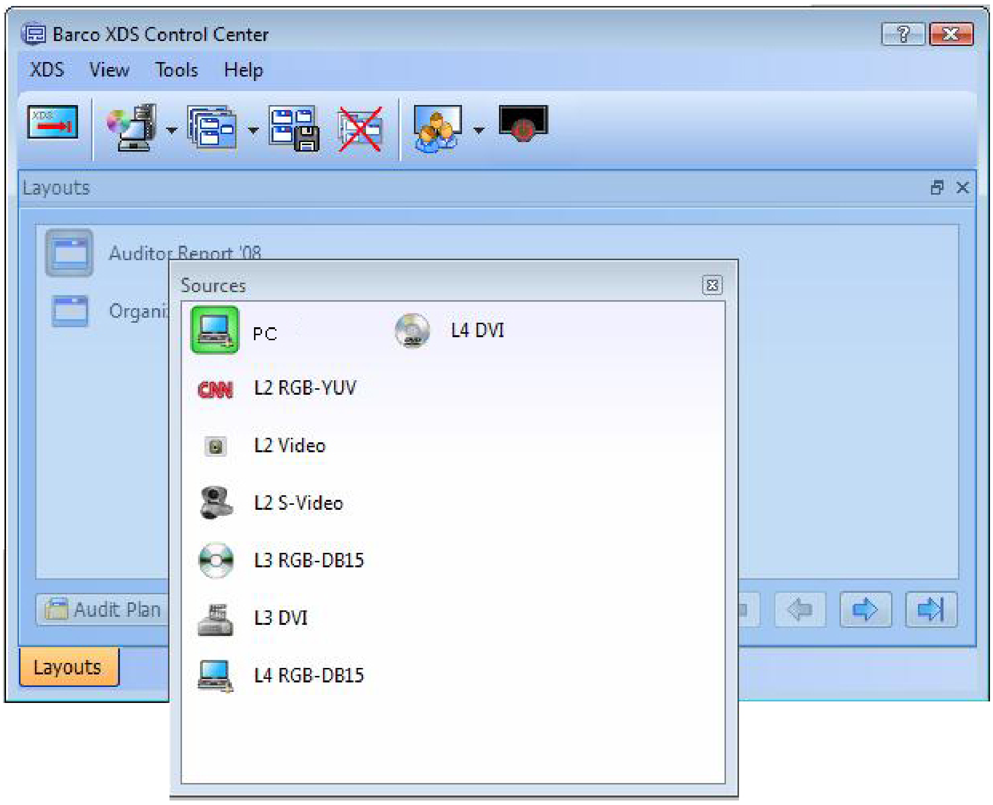

Barco XDS Control Center
XDS
View
Tools
Help
Layouts
Auditor Report '08
Organi
Sources
PC
L4 DVI
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
Audit Plan
Layouts

Image 3-26
Sources widget: Drag the widget out of the GUI

Undocking the widget from the XDS Control Center GUI

Use the **Undock** button or double click on the title bar to detach the widget from the XDS Control Center GUI to be an independent widget.

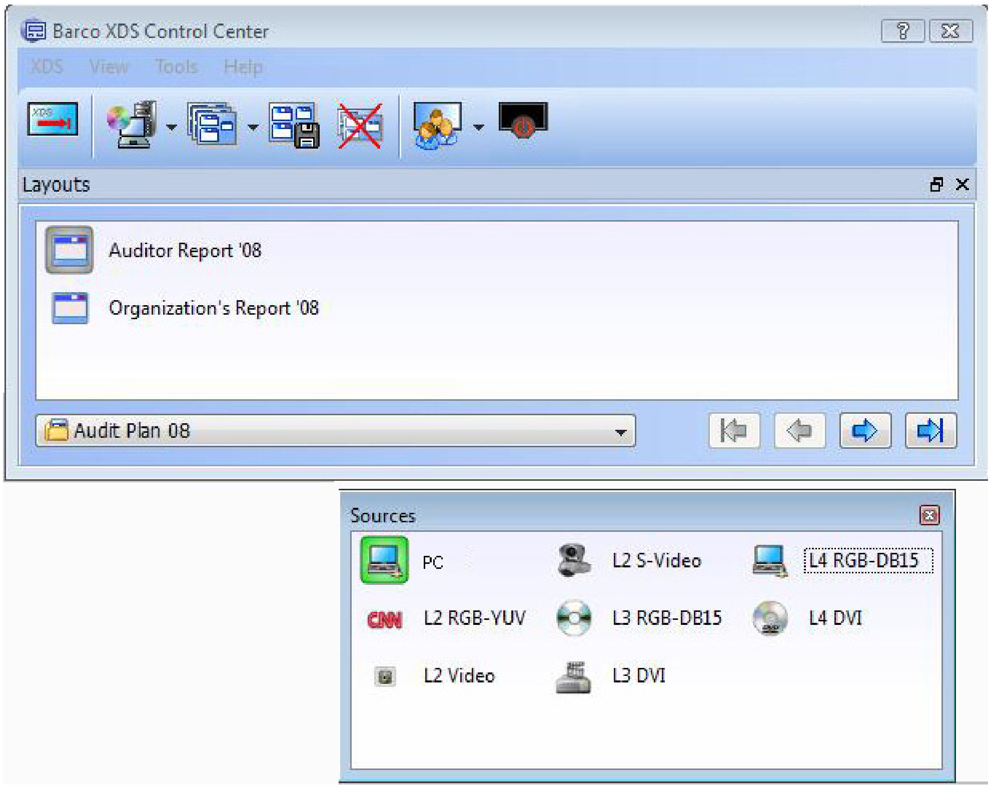

Barco XDS Control Center
XDS
View
Tools
Help
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08
Sources
PC
L2 S-Video
L4 RGB-DB15
L2 RGB-YUV
L3 RGB-DB15
L4 DVI
L2 Video
L3 DVI

Image 3-27
Sources widget: Undock the widget from the GUI as an independent window

Docking the widget in the XDS Control Center GUI

Double click the title bar of the undocked widget to resume the widget back to its previous position inside the XDS Control Center GUI.

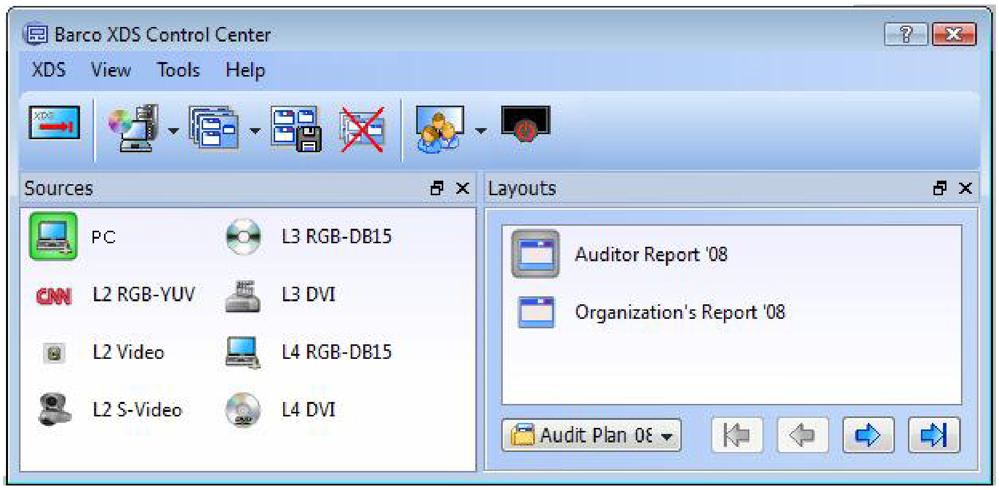

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-28
Sources widget: Dock the source widget

Stacking the widget

Click the title bar and drag and drop the widget on top of another widget to stack the source widget as tabbed page.

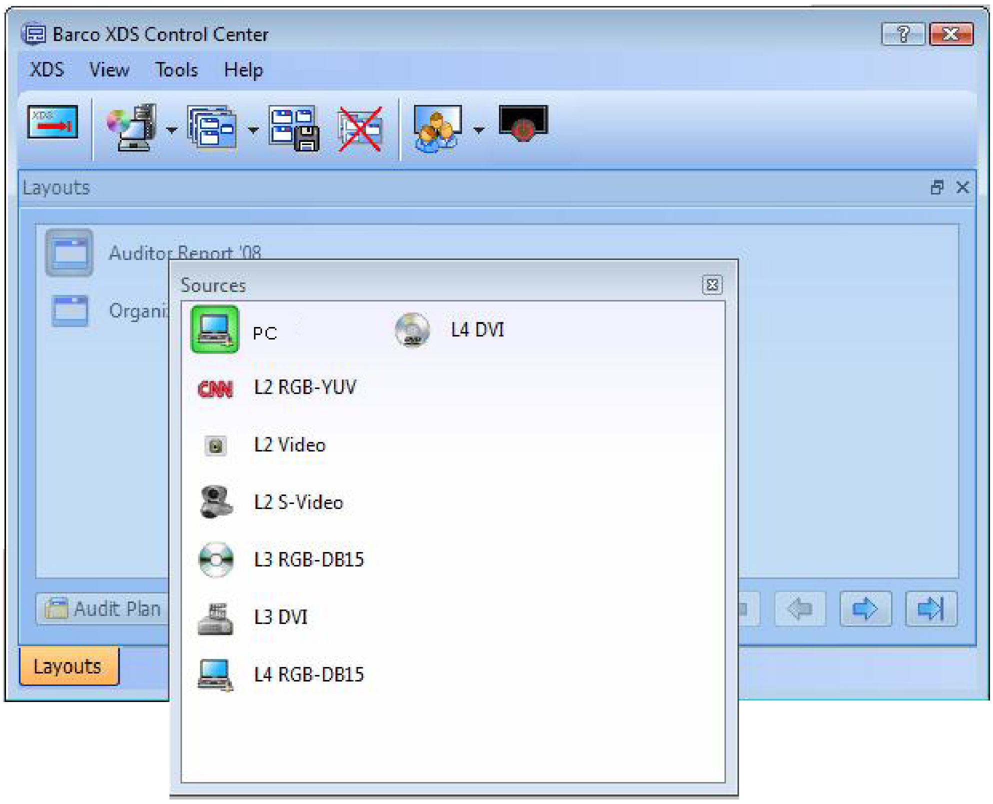

Barco XDS Control Center
XDS
View
Tools
Help
Layouts
Auditor Report '08
Organi
Sources
PC
L4 DVI
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
Audit Plan
Layouts

Image 3-29
Sources widget: Stack source widget

Make sure that the GUI is big enough to hold the widget. Maximize the XDS Control Center GUI by pulling the corners or sides of the GUI.

Reverting to default window arrangement

You can return to the default arrangement of the widgets in the GUI, if their position or visibility has changed, by using the *Default Window Arrangement* option. In the *View* menu, click *Default Window Arrangement*.

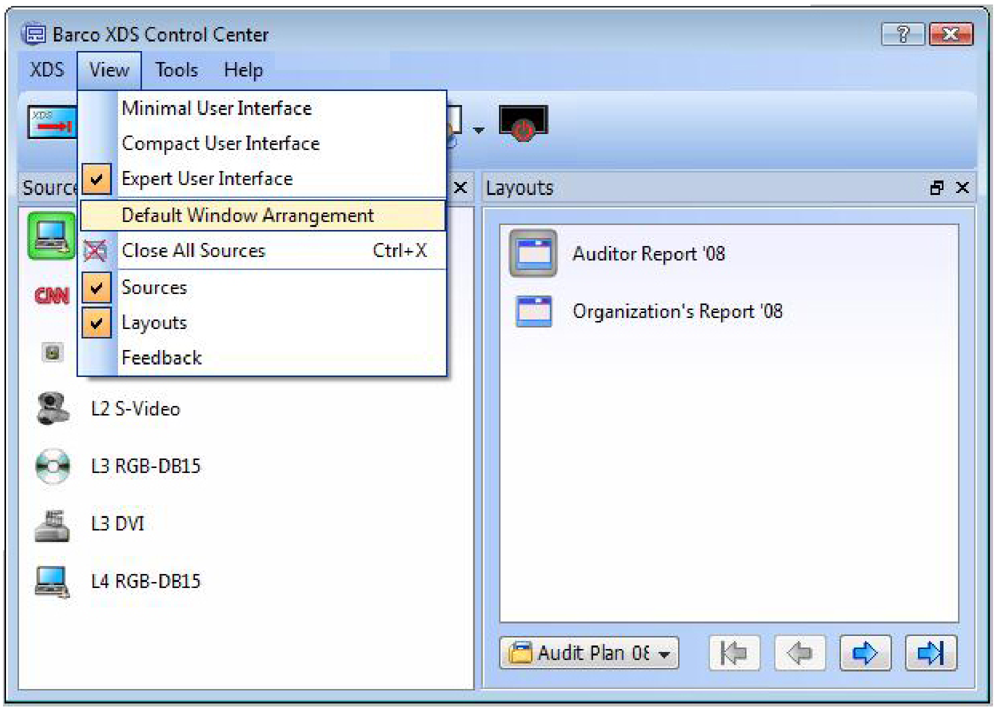

Barco XDS Control Center
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources Ctrl+X
Sources
Layouts
Feedback
Source
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-30
Sources widget: Set default window arrangement

Closing or hiding the widget

If you do not want the sources widget to be displayed, you can hide the widget by unchecking *Sources* option from the *View* menu. Or you can also close the source window using the **Close** button on the title bar.

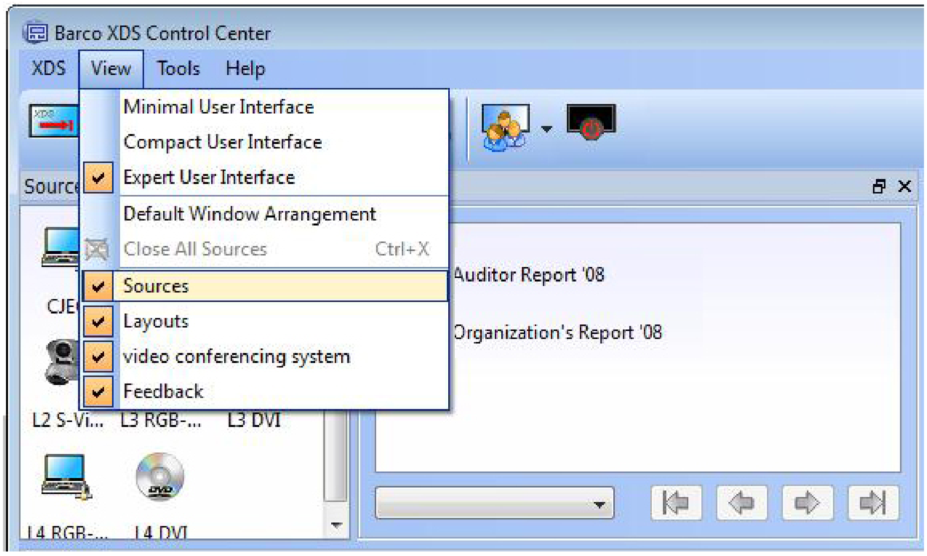

Barco XDS Control Center
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources Ctrl+X
Sources
Layouts
video conferencing system
Feedback
Source
CJE
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Auditor Report '08
Organization's Report '08

Image 3-31
Hide source widget

3.3.6 XDS Control Center GUI: Layouts View

Introduction

The **Layouts** view provides an overview of the available layouts and presentations. Think of a presentation as a folder that contains an ordered sequence of layouts. The Layout view allows you to select a presentation and provide buttons to navigate through the layouts inside the selected presentation.

You can dock the Layout widget inside the XDS Control Center GUI or drag the dock widget out of the dock area entirely so that it becomes a free floating widget. Use the title bar of the dock widget to drag it from one area to another.

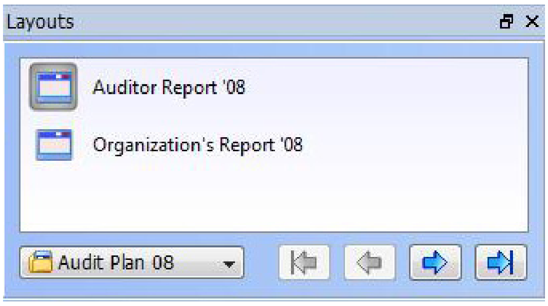

Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-32
Layouts widget

Icon view – List view

Right click on the widget to open the **View** menu. And switch to **Icon View** or **List View** as per your choice.

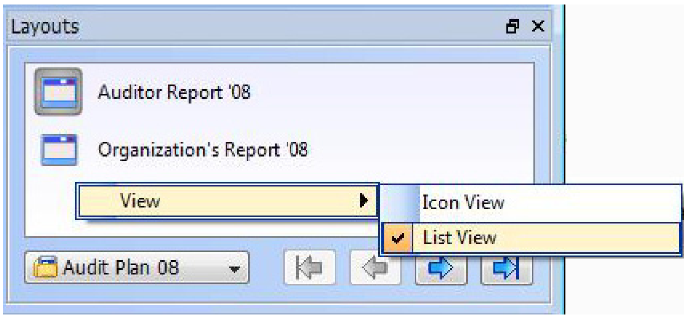

Layouts
Auditor Report '08
Organization's Report '08
View
Icon View
List View
Audit Plan 08

Image 3-33
Sources widget: Change view

Launching a layout

You can launch a layout from the layout widget.

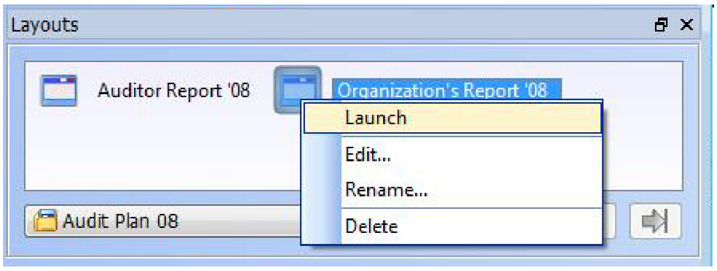

Layouts
Auditor Report '08
Organization's Report '08
Launch
Edit...
Rename...
Delete
Audit Plan 08

Image 3-34
Context menu: Launch a layout

To know more about launching a layout, please see "Launching a layout", page 70.

Renaming a layout

You can rename a layout from the layout widget.

1. Right-click on the layout to open the context menu
2. Click *Rename*

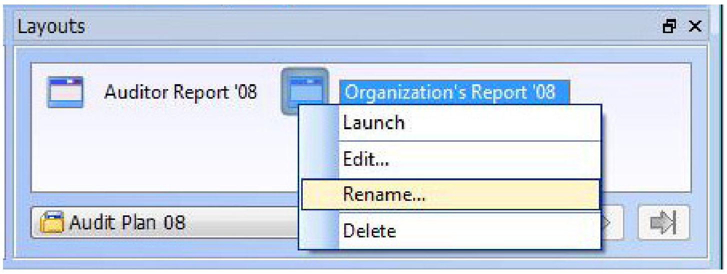
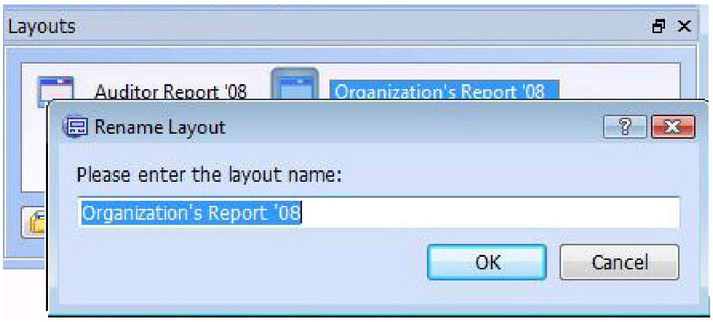

Layouts
Auditor Report '08
Organization's Report '08
Launch
Edit...
Rename...
Delete
Audit Plan 08

Image 3-35
Context menu: Select the option Rename

The **Rename Layout** dialog box opens.


Layouts
Auditor Report '08
Organization's Report '08
Rename Layout
OK
Cancel

Please enter the layout name:

Organization's Report '08

Image 3-36
Context menu: Rename the selected layout

3. Specify a new name for the layout
4. Click **OK**
   The old name will be replaced with the new name.

Editing a layout

You can edit the settings of a layout such as video insert settings that includes changing the x and y position of the window, adjusting the width and height of the window and more.

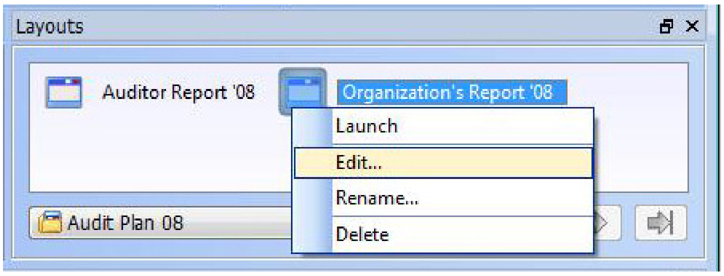

Layouts
Auditor Report '08
Organization's Report '08
Launch
Edit...
Rename...
Delete
Audit Plan 08

Image 3-37
Context menu: Select the Edit option

To know more about editing layout, please refer to the **XDS Reference Guide**.

Deleting a layout

You can delete a layout from the layout widget. This will remove the layout from the presentation, where it is stored.

1. Right-click to open the context menu
2. Click *Delete*

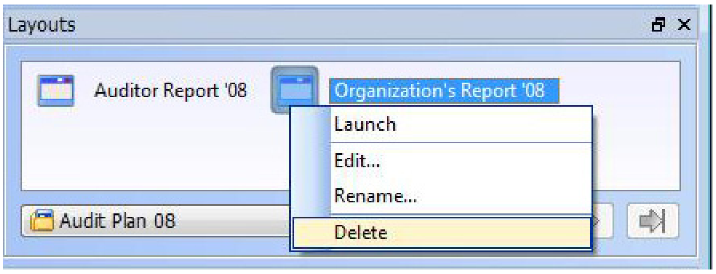
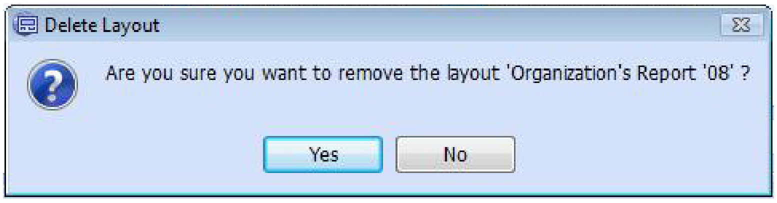

Layouts
Auditor Report '08
Organization's Report '08
Launch
Edit...
Rename...
Delete
Audit Plan 08

Image 3-38
Context menu: Select the Delete option

3. You will see a confirmation dialog appear. Click **Yes** to confirm deletion


Delete Layout
Yes
No

Are you sure you want to remove the layout 'Organization's Report '08' ?

Image 3-39
Delete layout: Confirmation dialog box

Dragging the widget inside the XDS Control Center GUI

Click the title bar of the widget and keep the button held down and move the widget anywhere inside the GUI to place the widget inside the GUI. When you move the widget inside, you will find that a receiving area will be highlighted in the XDS Control Center GUI.

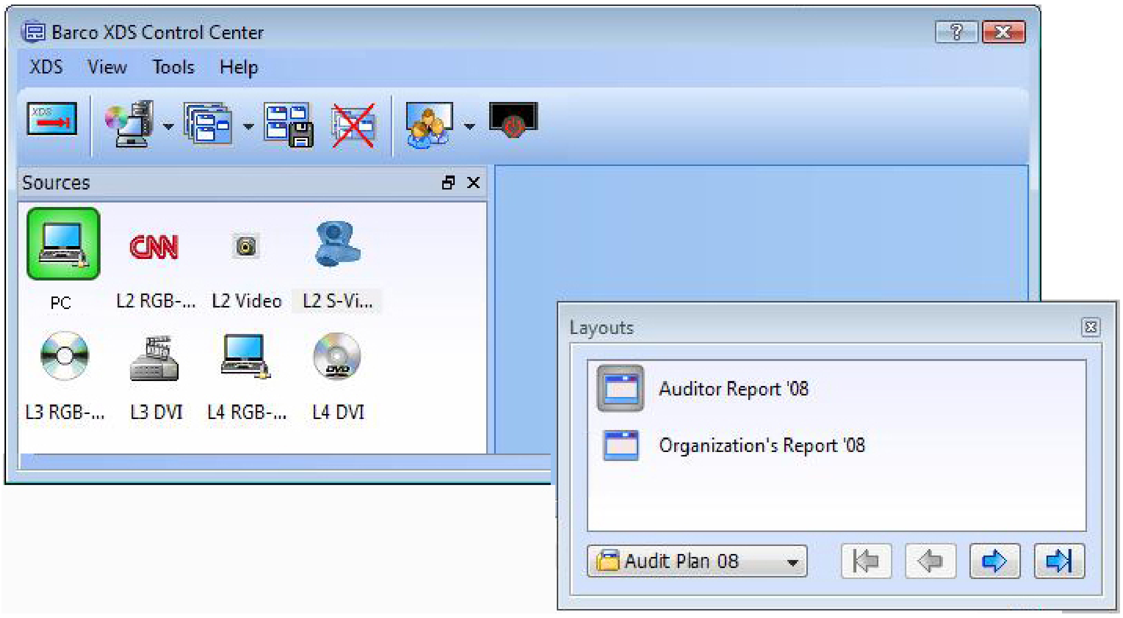
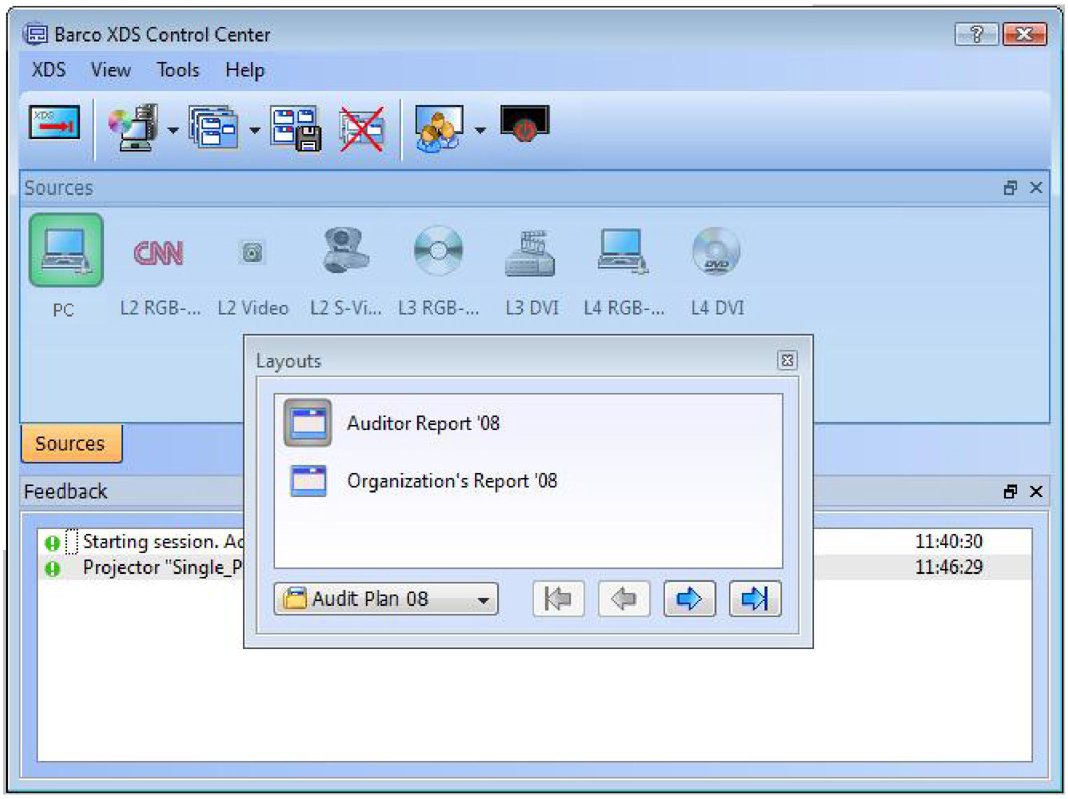

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-40
Sources widget: Dock widget inside GUI

When you drag the widget to dock it in a different position inside the GUI, make sure the GUI is big enough for the widget to fit in. If the GUI is too small, then you will not be able to dock the widget inside. You can maximize the GUI by pulling the sides or corners of the GUI.

Dragging the widget out of the XDS Control Center GUI

Use the title bar of the widget to drag it from one area to another.


Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08
Sources
Feedback

Starting session. Ac 11:40:30
Projector "Single_P 11:46:29

Image 3-41
Layouts widget: Drag the widget out of GUI

Undocking the widget from the XDS Control Center GUI

Use the **Undock** button or double click on the title bar to detach the widget from the XDS Control Center GUI to be an independent widget.

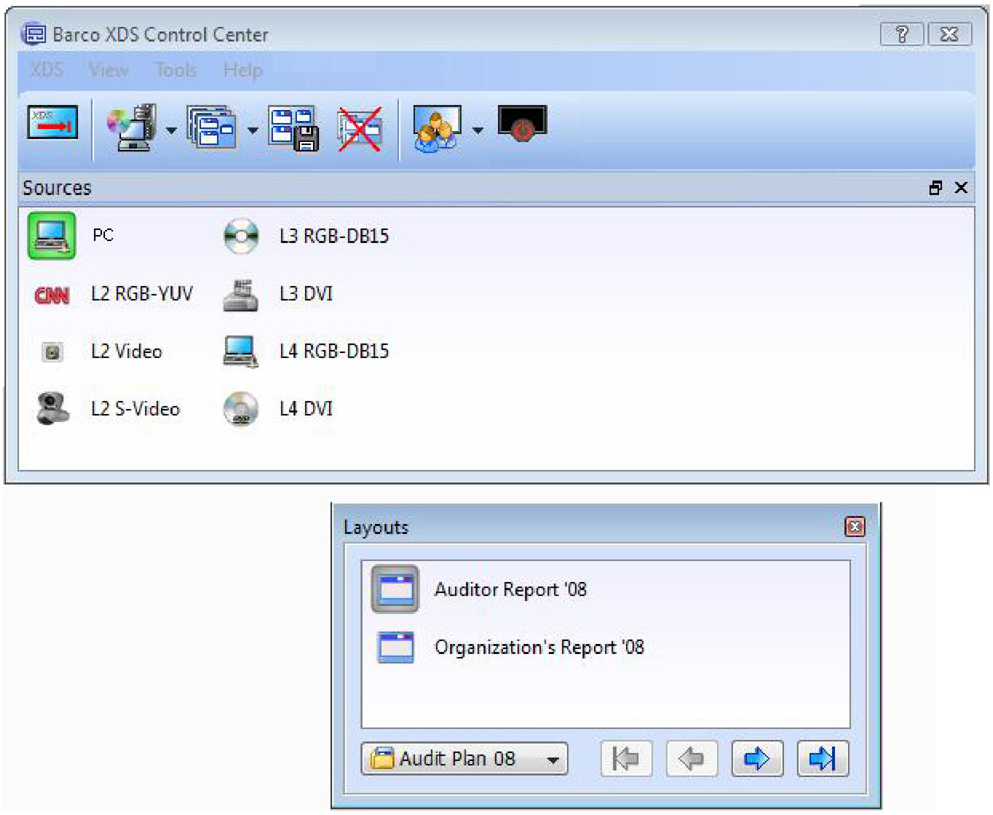

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-42
Layouts widget: Undock widget from GUI

Docking the widget in the XDS Control Center GUI

Double click the title bar of the undocked widget to resume the widget back to its previous position inside the XDS Control Center GUI.

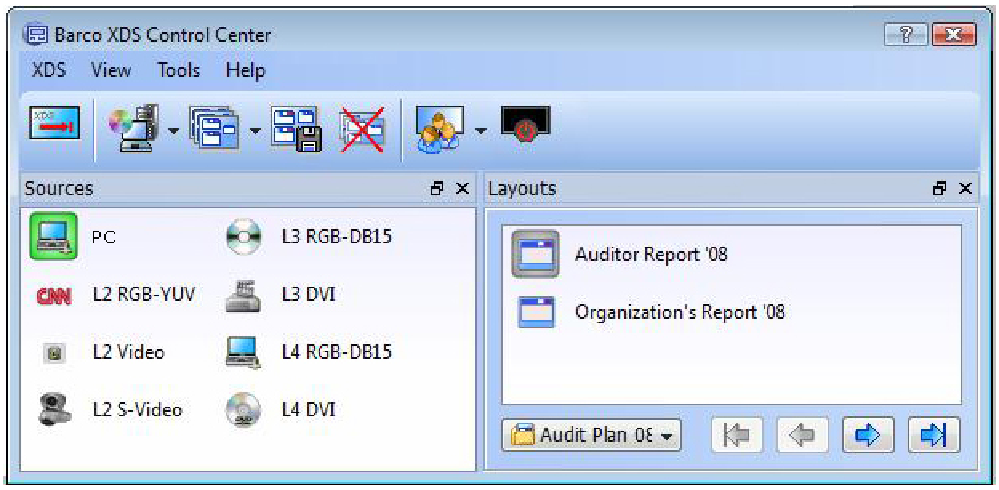

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-43
Layouts widget: Dock the widget

Stacking the widget

Click the title bar and drag and drop the widget on top of another widget to stack as tabbed pages. Same procedure applies to stack the source widget as a tabbed page.

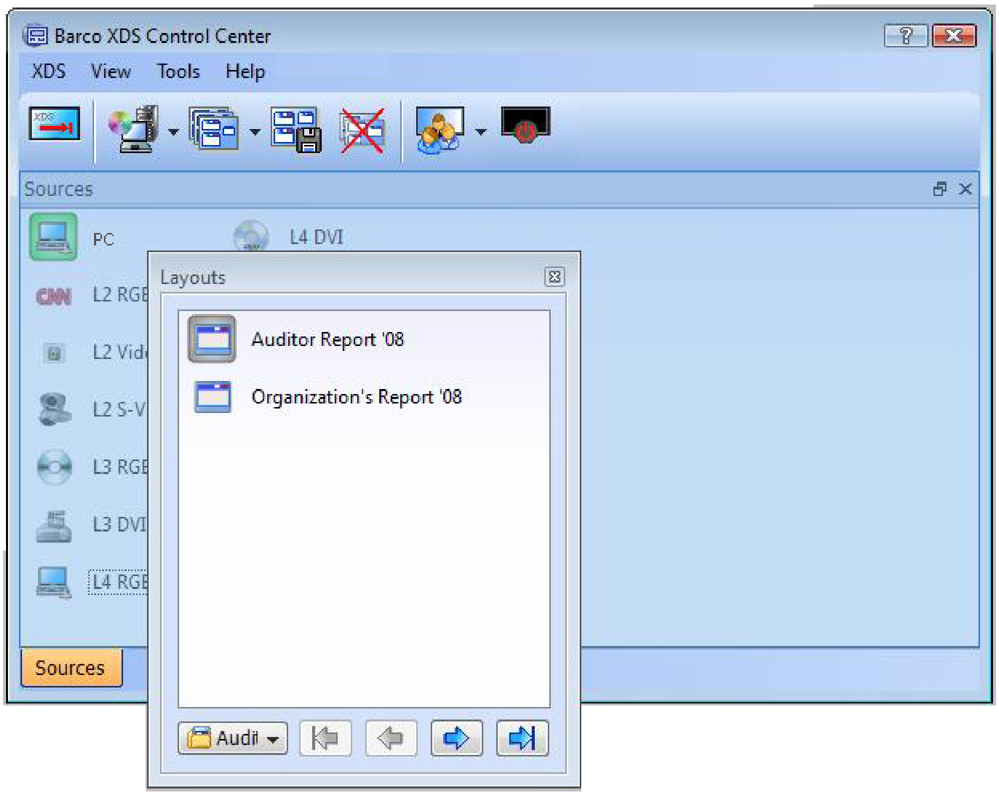

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L4 DVI
L2 RGE
L2 Vid
L2 S-V
L3 RGE
L3 DVI
L4 RGE
Sources
Layouts
Auditor Report '08
Organization's Report '08
Audi

Image 3-44
Layouts widget: Stack the widget as tabbed page

While stacking the widget, make sure that the GUI is big enough to hold the widget. Maximize the XDS Control Center GUI by pulling the corners or sides of the GUI.

Reverting to default window arrangement

You can return to the default arrangement of the widgets in the GUI, if their position or visibility has changed, by using the *Default Window Arrangement* option. From the *View* menu, select *Default Window Arrangement*.

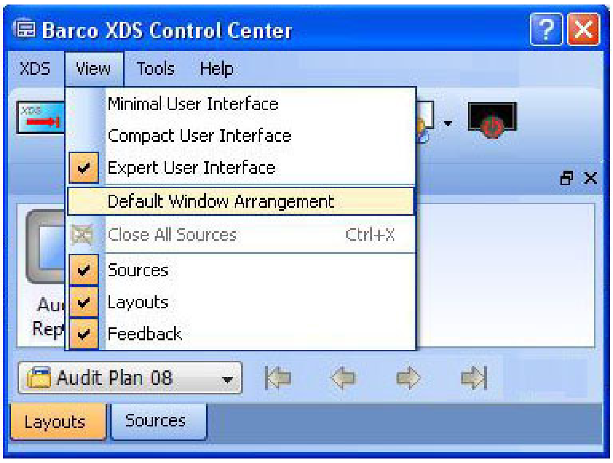

Barco XDS Control Center
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources Ctrl+X
Sources
Layouts
Feedback
Audit Plan 08
Layouts
Sources

Image 3-45
Layouts widget: Revert to default window arrangement

Closing or hiding the widget

If you do not need the widget to be displayed, in the *View* menu, uncheck *Layouts* option to hide the layout widget. Or you can also close the layout widget using the **Close** button on the title bar.

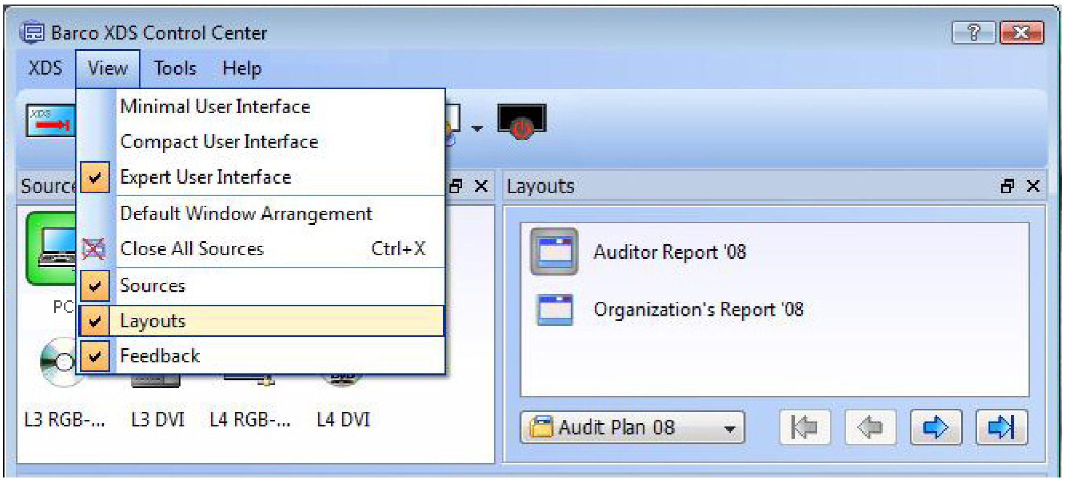

Barco XDS Control Center
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources Ctrl+X
Sources
Layouts
Feedback
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI

Image 3-46
Layouts widget: Close layout widget

3.3.7 Setting privacy options

Overview

- Enabling auto accept client connection
- Block remote users from connecting to the display
- Disconnecting the clients

Introduction

Privacy options can be set from the XDS display. Or they can also be set from the XDS Remote Control Center. There are three options of setting privacy namely, auto accept, don’t disturb, and disconnect.

3.3.7.1 Enabling auto accept client connection

How to enable auto accept client connection?

1. Open **XDS** menu or click the **Privacy Settings** icon from the toolbar

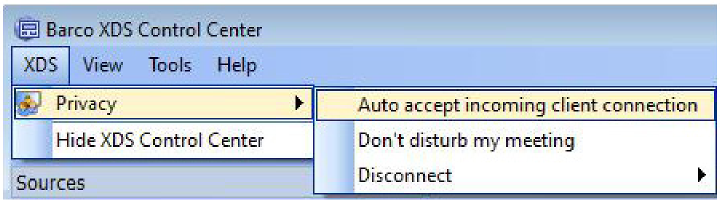

Barco XDS Control Center
XDS
View
Tools
Help
Privacy
Hide XDS Control Center
Sources
Auto accept incoming client connection
Don't disturb my meeting
Disconnect

Image 3-47
Accept incoming client connection

2. Select *Privacy*
3. Click *Auto accept incoming client connection*

   Now when a remote user tries to get connected to the display or tries to share his/her desktop to the display, his/her desktop will be connected to/shared on the display without any notification.

3.3.7.2 Block remote users from connecting to the display

How to block remote users from connecting to the display?

1. Open **XDS** menu or click the **Privacy Settings** icon from the toolbar
2. Select *Privacy*
3. Click *Don’t disturb my meeting*

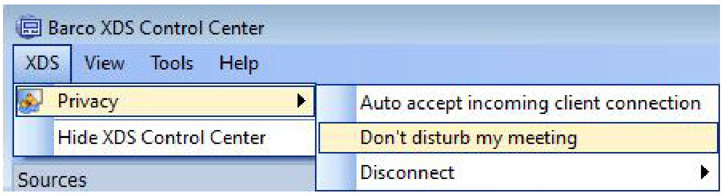

Barco XDS Control Center
XDS
View
Tools
Help
Privacy
Hide XDS Control Center
Sources
Auto accept incoming client connection
Don't disturb my meeting
Disconnect

Image 3-48
Restrict remote users from sharing their desktops

You will find a red sign on the Privacy settings icon indicating that this particular option is set.

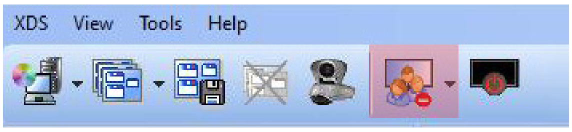

XDS
View
Tools
Help

Image 3-49
Privacy setting icon

Now when a remote user tries to get connected to the display, his/her desktop will not be connected to the display. The remote user will also receive a message that meeting cannot be disturbed.

Users that were already connected to the display before the **Don’t Disturb** function is activated will remain connected to the display once the **Don’t Disturb** function is turned on. However, when such users get disconnected from the display, they will not be able to reconnect to this display again.

3.3.7.3 Disconnecting the clients

How to disconnect the clients?

1. Open **XDS** menu or click the **Privacy Settings** icon from the toolbar
2. Select *Privacy*
3. Select *Disconnect*
4. Select the client
5. Select the name of the client

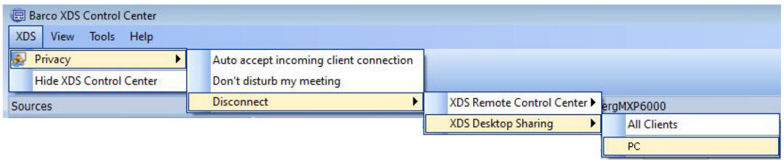

Barco XDS Control Center
XDS
View
Tools
Help
Privacy
Hide XDS Control Center
Sources
Auto accept incoming client connection
Don't disturb my meeting
Disconnect
XDS Remote Control Center
XDS Desktop Sharing
ergMXP6000
All Clients
PC

Image 3-50
Disconnect desktop sharing client

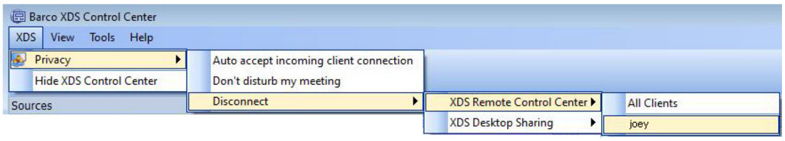

Barco XDS Control Center
XDS
View
Tools
Help
Privacy
Hide XDS Control Center
Sources
Auto accept incoming client connection
Don't disturb my meeting
Disconnect
XDS Remote Control Center
XDS Desktop Sharing
All Clients
joey

Image 3-51
Disconnect remote control center client

3.3.8 Configuring GUI settings of XDS Control Center

Overview

- Configuring XDS Control Center settings
- Configuring log file settings
- Configuring START menu settings
- Show/Hide sources in the source widget
- Configure the viewer settings
- Setting default settings

Introduction

Using the **Configure** dialog, you can set the size of icons, change the view of source and layout icons, change the font size, specify the log file settings, show or hide sources widget, and configure viewer settings.

3.3.8.1 Configuring XDS Control Center settings

To configure XDS Control Center settings

1. Open **Tools** menu

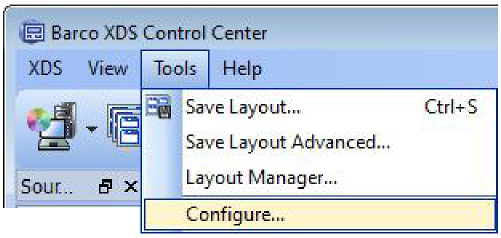
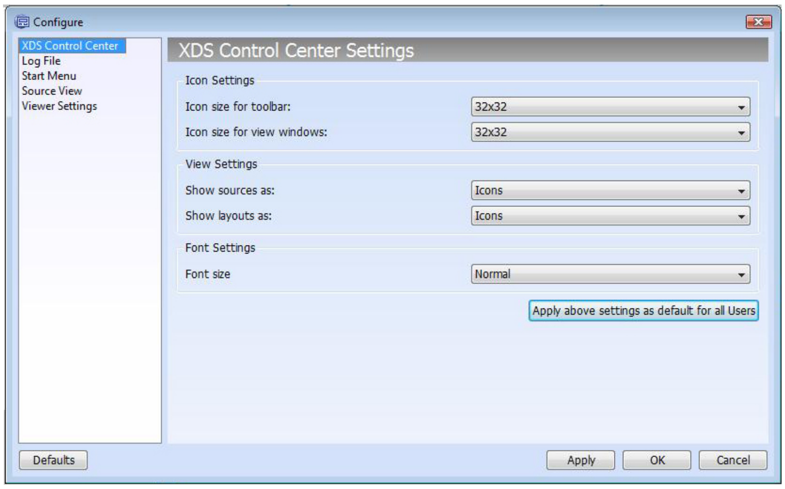

Barco XDS Control Center
XDS
View
Tools
Help
Save Layout...
Ctrl+S
Save Layout Advanced...
Layout Manager...
Configure...
Sour...

Image 3-52
Tools menu

2. Click *Configure,,,*

   The **Configure** dialog box opens.


Configure
XDS Control Center
Log File
Start Menu
Source View
Viewer Settings
XDS Control Center Settings
Apply above settings as default for all Users
Defaults
Apply
OK
Cancel

Icon Settings
Icon size for toolbar: 32x32
Icon size for view windows: 32x32

View Settings
Show sources as: Icons
Show layouts as: Icons

Font Settings
Font size: Normal

Image 3-53
Configure dialog

3. Select **XDS Control Center** from the left pane
4. Now using the drop-down list, select the required setting. The available configurations in the drop-down list for every item are listed below for your reference.

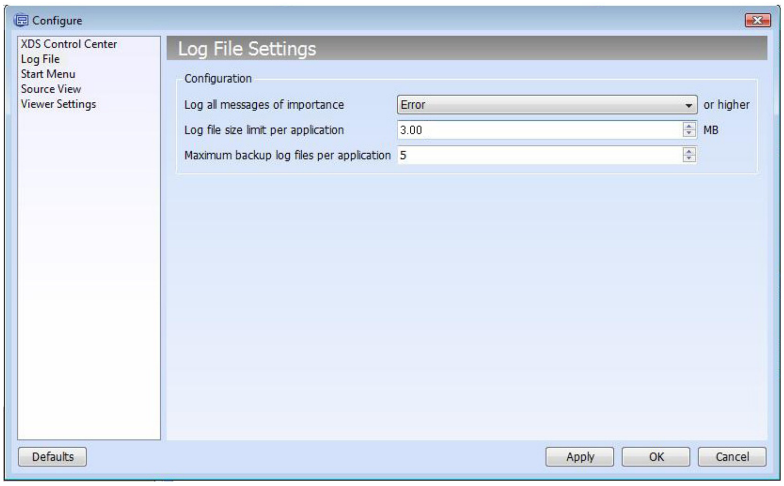
- **Icon settings:** You can choose the appropriate icon size
    - **Icon size for toolbar**: 16x16, 32x32, 48x48, 64x64
    - **Icon size for view windows**: 16x16, 32x32, 48x48, 64x64
- **View settings:** You can choose the default view of sources and layouts icons in the sources and layouts widget
    - **Show sources as**: Icons, list
    - **Show layouts as**: Icons, list
- **Font settings:** You can choose the font size of the text to be displayed for icons
    - **Font size**: Normal, Large

5. After selecting the required options, click **Apply above settings as default for all Users**
6. Click **Apply** to save the changes
7. Click **OK** to close the dialog

3.3.8.2 Configuring log file settings

To configure log file settings

1. Open **Tools** menu
2. Click *Configure...*
3. On the **Configure** dialog, select **Log File** from the left pane



Log all messages of importance: Error or higher
Log file size limit per application: 3.00 MB
Maximum backup log files per application: 5

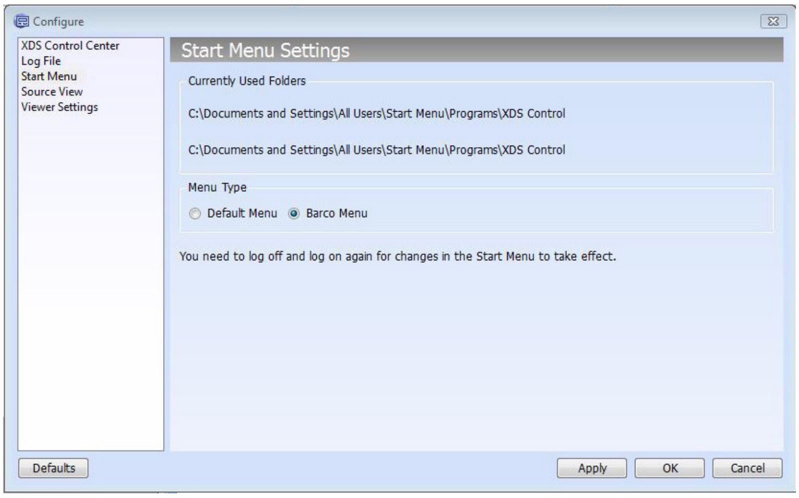
Image 3-54
Log file settings

4. The available configurations in the drop-down list for every item are listed below for your reference.
    - **Log all messages of importance**: Fatal, Error, Warn, Info, Diag, Debug
    - **Log file size limit per application**: < select the size limit >
    - **Maximum backup log files per application**: < select the number >
      The maximum number of log files that can be saved is **10**.
5. Click **Apply** to save changes
6. Click **OK** to close the dialog

3.3.8.3 Configuring START menu settings

To configure START menu settings

1. Open **Tools** menu
2. Click *Configure...*
3. On the **Configure** dialog, select **Start menu** from the left pane


Configure
XDS Control Center
Log File
Start Menu
Source View
Viewer Settings
Defaults
Apply
OK
Cancel

Start Menu Settings

Currently Used Folders

C:\Documents and Settings\All Users\Start Menu\Programs\XDS Control

C:\Documents and Settings\All Users\Start Menu\Programs\XDS Control

Menu Type

○ Default Menu ● Barco Menu

You need to log off and log on again for changes in the Start Menu to take effect.

Image 3-55
Start menu settings

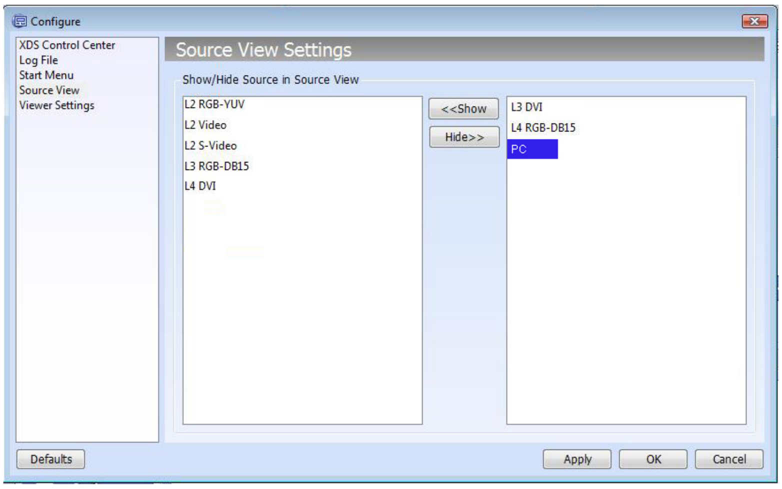
The **Start Menu Settings** view displays the path of the folder where shortcut to layouts, and shortcut to sources are stored. Refer to "Launching a source from START menu", page 37.

4. Select the **Menu type** of your choice
5. Click **Apply** to save changes
6. Click **OK** to close the dialog

3.3.8.4 Show/Hide sources in the source widget

Procedure to show/hide sources in the source widget

1. Open **Tools** menu
2. Click *Configure...*
3. On the **Configure** dialog, select **Source View** from the left pane


Configure
XDS Control Center
Log File
Start Menu
Source View
Viewer Settings
<<Show
Hide>>
Defaults
Apply
OK
Cancel

Source View Settings

Show/Hide Source in Source View

L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L4 DVI

L3 DVI
L4 RGB-DB15
PC

Image 3-56
Source view settings

In the **Source View Settings**, you have left pane displaying the sources that are visible in the source widget, and sources on the right pane which are hidden in the source widget.

4. To hide a source in the widget, select that particular source in the left pane and click **Hide>>**

   The selected source will be moved to the right pane.

5. To show the hidden source in the widget, select that particular source in the right pane and click **<<Show**

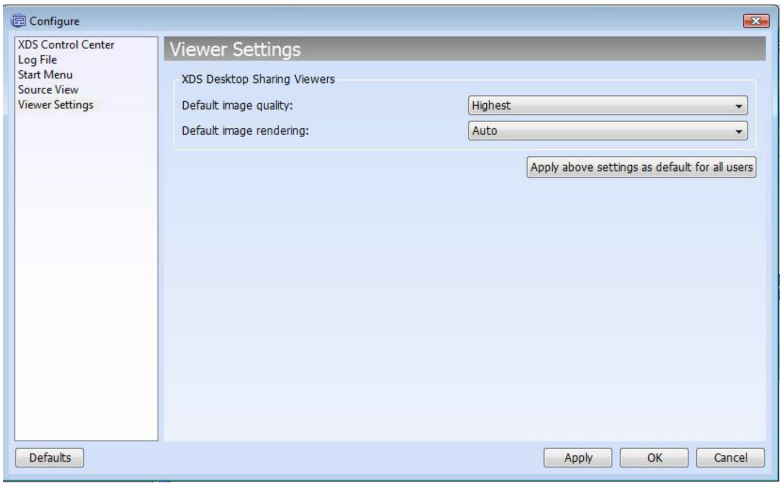
   The selected source will be moved to the left pane.

6. Click **Apply** to save changes
7. Click **OK** to close the dialog

3.3.8.5 Configure the viewer settings

To configure viewer settings

1. Open **Tools** menu


Configure
XDS Control Center
Log File
Start Menu
Source View
Viewer Settings
Viewer Settings
XDS Desktop Sharing Viewers
Apply above settings as default for all users
Defaults
Apply
OK
Cancel

Default image quality: Highest

Default image rendering: Auto

Image 3-57
Viewer settings

2. Click *Configure...*
3. On the **Configure** dialog, select **Viewer Settings** from the left pane
4. Select the appropriate options:
    - **Default image quality**: Low, Medium, High, Highest
    - **Default image rendering**: Auto, Software only, Hardware accelerated
5. Click **Apply above settings as default for all users**
6. Click **Apply** to save changes
7. Click **OK** to close the dialog

3.3.8.6 Setting default settings

To set default settings

1. Open **Tools** menu
2. Click *Configure...*
3. From the **Configure** dialog, click **Defaults** button found at the bottom-left corner

   The default values will be set.

3.4 Hiding the XDS Control Center application

How to hide an XDS Control Center application?

1. Click the **XDS** menu
2. Click *Hide XDS Control Center*

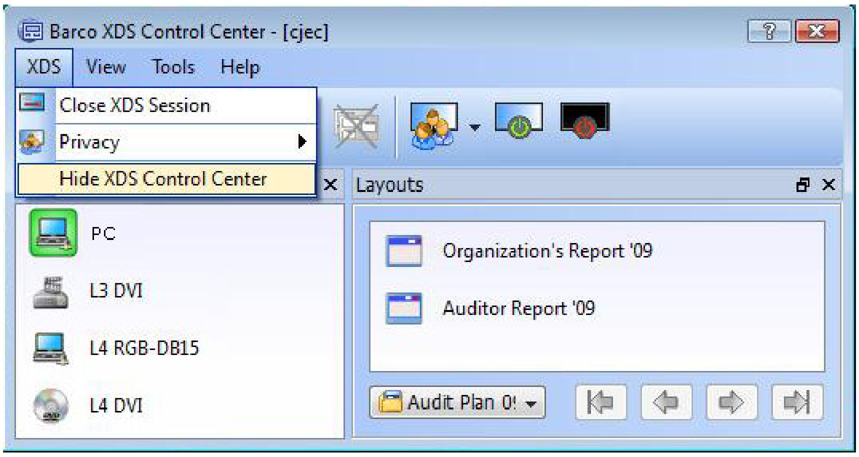

Barco XDS Control Center - [cjec]
XDS
View
Tools
Help
Close XDS Session
Privacy
Hide XDS Control Center
PC
L3 DVI
L4 RGB-DB15
L4 DVI
Layouts
Organization's Report '09
Auditor Report '09
Audit Plan 0!

Image 3-58
Hide XDS Control Center application

The XDS Control Center application will be hidden. To reopen the XDS application, see "Bringing up the XDS Control Center GUI", page 11.

3.5 Closing an XDS session

The *Close XDS session* option is visible only when you have enabled User Management during installation.

How to close an XDS session?

1. If the XDS application is displayed as **compact** or **expert** view, you will find the **XDS Session** icon on the top-left corner of the GUI. It appears as a standard button on the toolbar. Click the **XDS Session** button to close the XDS session that is currently open.

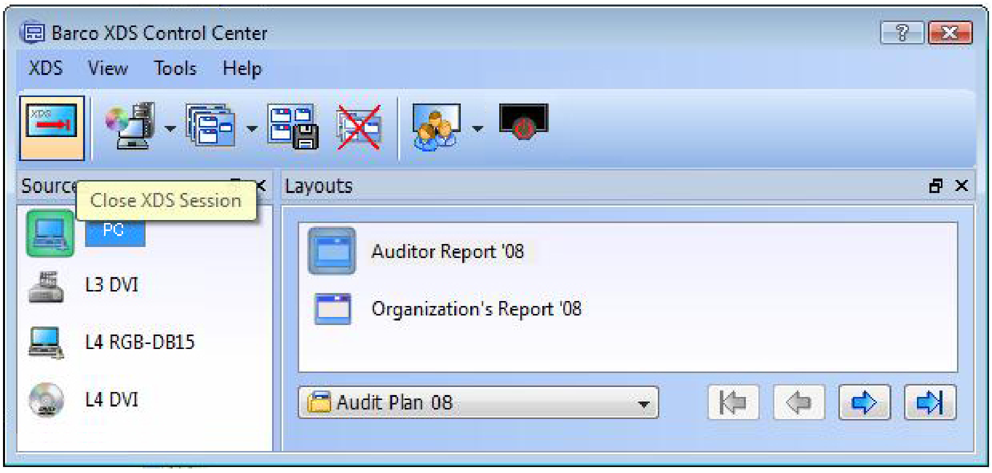

Barco XDS Control Center
XDS
View
Tools
Help
XDS
Sourc
Close XDS Session
PC
L3 DVI
L4 RGB-DB15
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-59
Compact and Expert view: Close XDS session

2. If the XDS application is displayed as **minimal** view, you will not find the XDS button on the toolbar. But you need to use the XDS menu. From the **XDS** menu, click *Close XDS Session*

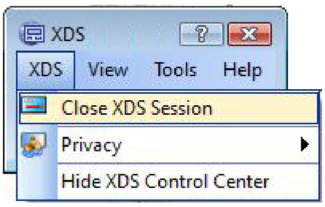

XDS
XDS
View
Tools
Help
Close XDS Session
Privacy
Hide XDS Control Center

Image 3-60
Minimal view: Close XDS session

3.6 Launching of a source

Source

In the XDS Control Center Suite, a **source** is any image generating device connected to the projector, the WND-264, the Transform A or the Matrix switcher or any computer running the XDS Desktop Sharing software.

Video insertion viewer

In the XDS Control Center Suite, a **video insertion viewer** is a window in which a source is displayed.

Overview

- Introduction
- Launching a source from XDS CC GUI
- Launching a source from START menu
- Launching a locked source

3.6.1 Introduction

What is in launching a source?

A source can only be displayed once! A displayed source is grayed out in two situations: it is being displayed already, or it can not be displayed due to hardware restrictions. For example, if two DVI sources are connected to one input layer of a projector, then only one of those DVI sources can be displayed at a time, the other DVI source being grayed out.

By launching a source you will be able to see the content of a connected device. You can launch any source from the XDS Control Center GUI or from the **Start** menu. If you want to view a remote Desktop Sharing source, you can launch that particular source also from the Desktop Sharing PC, although admission by the XDS Control Center users (users of the display) may be required. The topics below will give further detail you on how to launch a source.

3.6.2 Launching a source from XDS CC GUI

When opening a source, the content of the source is displayed in Video insertion viewer in its native size. The source window (video Insertion viewer) will open in the upper left corner from the screen.

How to launch a source from XDS CC GUI (minimal and compact view)?

1. From the XDS Control Center tool bar, click the **Sources** icon
   A drop-down list opens.

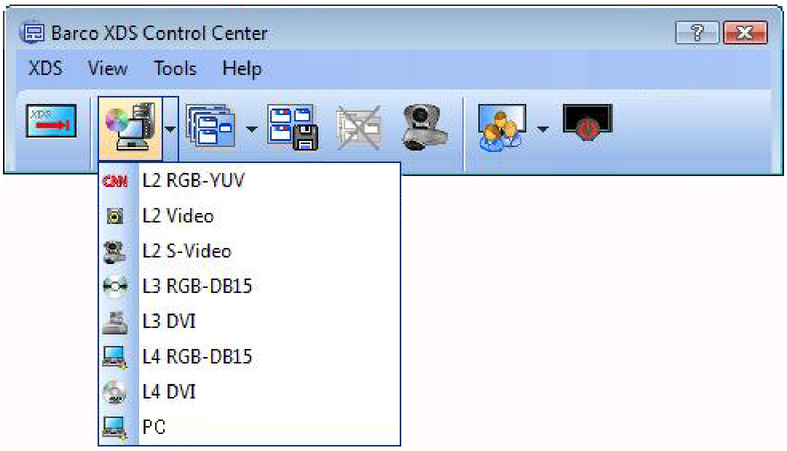


Image 3-61
XDS CC GUI: Launching a source from compact view

2. Double-click the desired source from the drop-down list

How to launch a source from XDS CC GUI (expert view)?

1. From the XDS Control Center sources dock widget, double-click the source

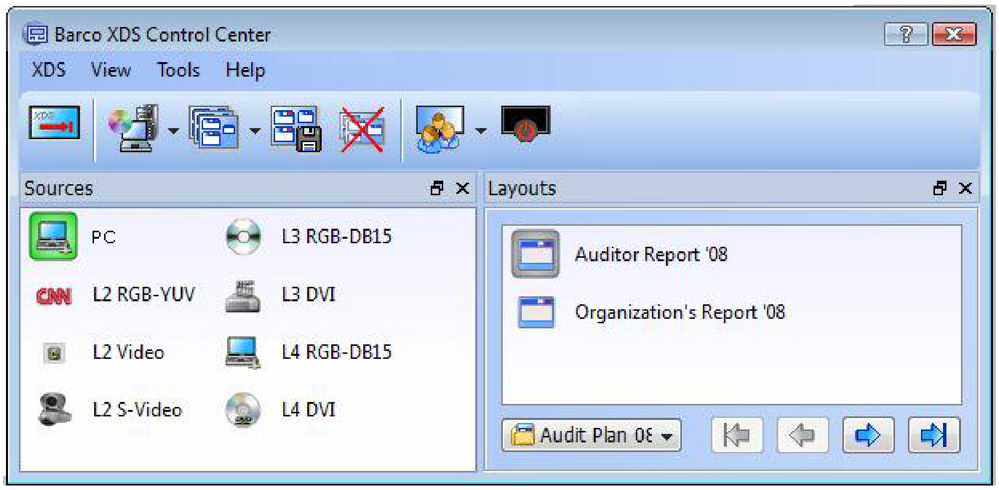

Barco XDS Control Center
XDS View Tools Help
Sources
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-62
XDS CC GUI: launching a source from expert view

Note: *The name of the launched source in the sources dock widget is grayed out and its icon has a green background to show a visual difference.*

3.6.3 Launching a source from START menu

How to launch a source from Start menu?

1. Click **Start** menu
2. Click **My Sources**

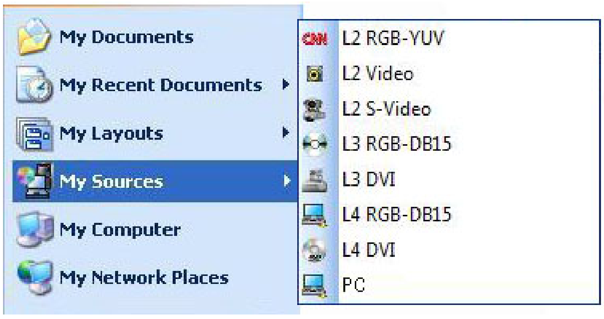

My Documents
My Recent Documents
My Layouts
My Sources
My Computer
My Network Places
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
L4 DVI
PC

Image 3-63
Select a source from START menu

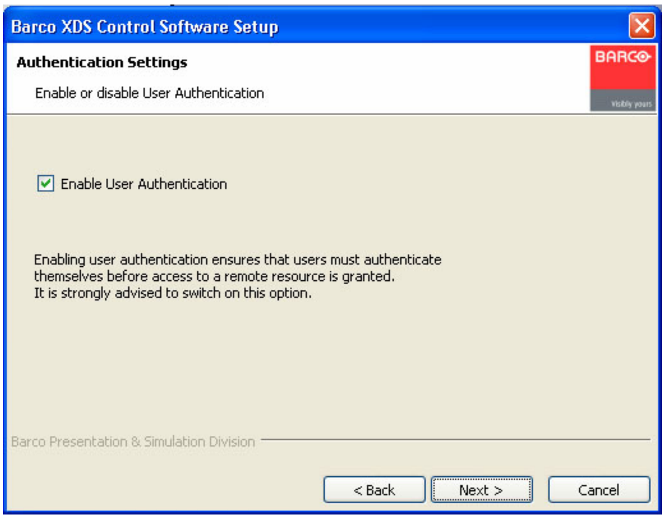
3. Select a source from the drop-down list

3.6.4 Launching a locked source

Why is a source locked?

A source can sometimes appear with a lock symbol. When you try to launch the locked source you will be prompted to enter your credentials to view the source. This happens when the source is a remote source and the XDS Desktop Sharing client/remote user has enabled user authentication during installation, or if the source is a RGB or DVI source, running XDS Remote Mouse and Keyboard software with authentication enabled.

For XDS Remote Mouse and Keyboard client software, you need to set the option to enable user authentication during installation. See image displayed below for reference.



Barco XDS Control Software Setup

Authentication Settings

Enable or disable User Authentication

☑ Enable User Authentication

Enabling user authentication ensures that users must authenticate themselves before access to a remote resource is granted.
It is strongly advised to switch on this option.

Barco Presentation & Simulation Division

Image 3-64
XDS remote source: enabling user authentication

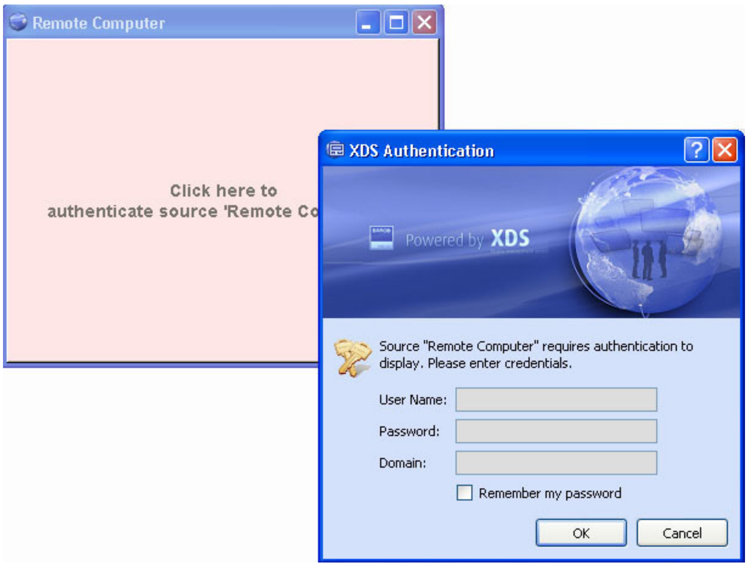
For XDS Desktop Sharing client software, you can enable the user authentication option during installation or from the GUI. See "Setting security authentication", page 137.

Hence that particular source can only be launched using the credentials of the OS running on that source computer.

How to launch a locked source?

1. In **expert view**, double-click the locked source from the sources dock widget in the XDS Control Center GUI or select the source from the drop-down list in **compact view**

   You will be prompted to enter your credentials or your password.



Remote Computer

Click here to
authenticate source 'Remote Co

XDS Authentication

Source "Remote Computer" requires authentication to display. Please enter credentials.

User Name:

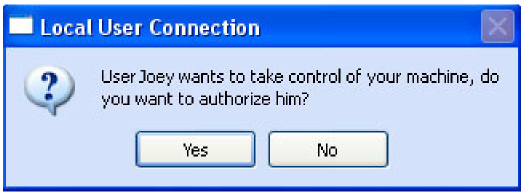
Password:

Domain:

☐ Remember my password

Image 3-65
XDS remote source: user authentication

2. Enter the user name and password of the remote desktop
   Note: *Make sure you enter a valid user name and password that exists in the domain of the remote computer*
3. After authentication, an acceptance dialog will appear on the remote system



Local User Connection

User Joey wants to take control of your machine, do you want to authorize him?

Image 3-66
XDS remote source: confirming authorization for remote user

4. When the remote user accepts the request, the source will automatically launch in the connected display system

3.7 Settings of a source — right-click option

Overview

- Locking aspect ratio
- Maximizing the viewer
- Moving a window of which the top bar is off-screen
- Moving a window without window decoration
- Setting native resolution of a source
- Showing/Hiding a window border
- Zooming a window
- Adjusting frame rate
- Setting image quality
- Enabling hardware acceleration
- Adjusting the image
- Adjusting the image file
- Setting Auto image
- Knowing the details of installed XDS software
- Using remote keyboard/mouse control
- Disable remote keyboard/mouse control

Overview

Using the context menu, you can modify the settings of a source. For example, you can lock the aspect ratio, which will maintain the proportions of the source; you can change the height and width of a viewer displaying the source by customizing the aspect ratio. You can maximize the viewer to full screen with no effect on the source.

The context menu can be opened via the mouse right-click on the source window.

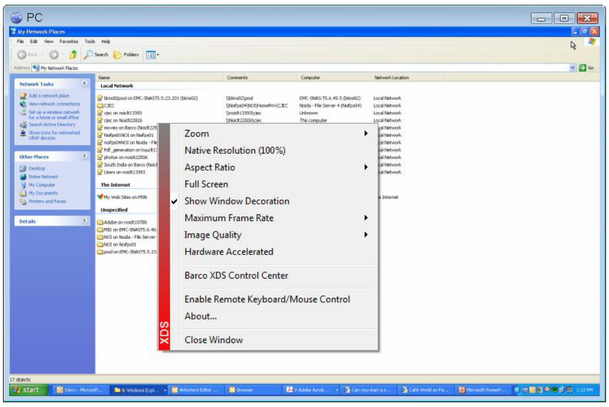

PC
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-67
Open context menu

The standard options in the context menu might slightly vary depending on the type of source.

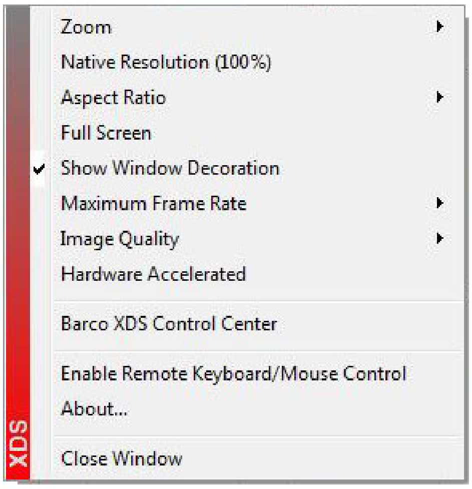

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-68
Context menu view

In the image 3-69 below you will find options like Image Controls, Image File Controls, and Auto Image which are not present in the image 3-68 above.

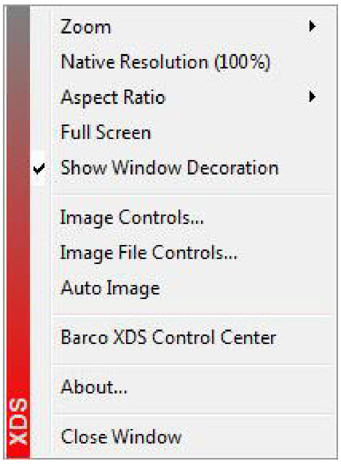

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Image Controls...
Image File Controls...
Auto Image
Barco XDS Control Center
About...
Close Window
XDS

Image 3-69
Context menu view

3.7.1 Locking aspect ratio

How to lock aspect ratio?

When you launch a source, it opens up in its native size with a certain aspect ratio. You can also "unlock" the aspect ratio. This means that when you scale the window, the aspect does not need to be preserved, meaning you can scale in one direction independent of the other.

1. From the viewer, right-click to open the context menu
2. Select **Aspect Ratio**
   A drop-down list opens.
   Note: *If the native size of the source matches one of the listed aspect ratios, the corresponding ratio will be checked in the list and grayed out. If not, the* ***Custom...*** *option will be checked.*

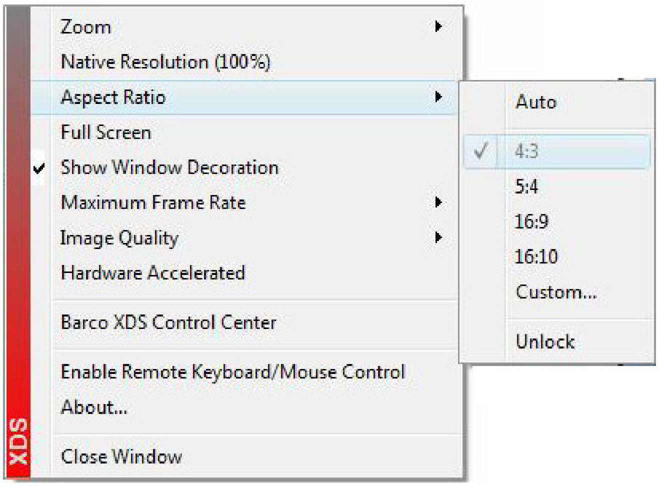

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
Auto
✓ 4:3
5:4
16:9
16:10
Custom...
Unlock

Image 3-70
Context menu: Select the aspect ratio

3. Select the required aspect ratio from the drop-down list
4. Click **Auto** to lock the aspect ratio

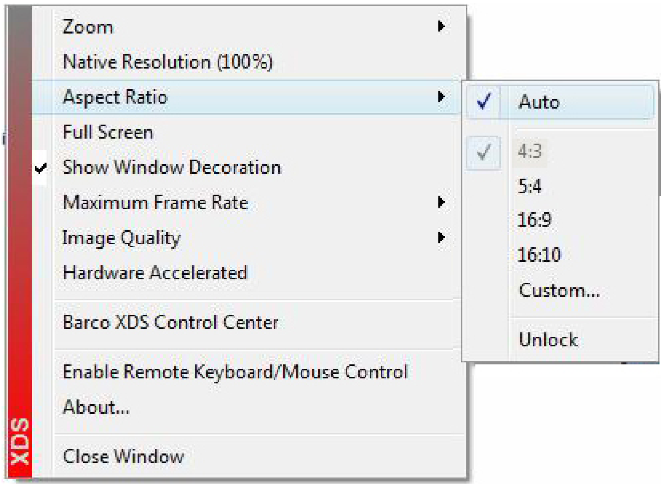
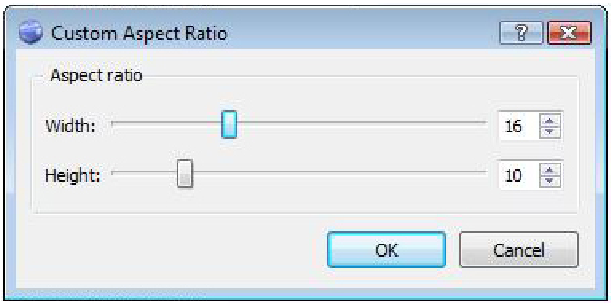

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
Auto
4:3
5:4
16:9
16:10
Custom...
Unlock

Image 3-71
Context menu: Lock the aspect ratio

From now, when you resize the viewer, the aspect ratio will be preserved.

How to specify a custom aspect ratio?

1. To specify your own aspect ratio other than the existing ratios, select **Custom**


Custom Aspect Ratio
OK
Cancel

Aspect ratio

Width: 16

Height: 10

Image 3-72
Context menu: Set the custom aspect ratio

The **Custom Aspect Ratio** dialog box opens.

2. Adjust the **Width** and **Height** and press **OK** for the changes to take effect

3.7.2 Maximizing the viewer

How to maximize viewer when aspect ratio is locked?

1. After locking the aspect ratio, open the context menu once again. To know how to lock aspect ratio, see "Locking aspect ratio", page 40.
2. Select **Full Screen**

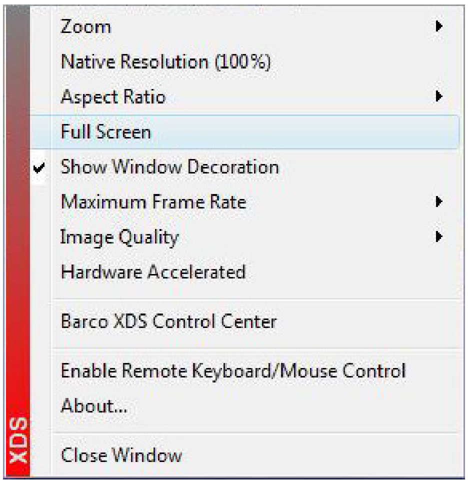

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-73
Context menu: Select full screen option

Note: *The viewer will not fill the full area of the screen, since the aspect ratio is locked. It will be scaled to the maximum possible view, where the full source content remains visible without being stretched or shrunk. You will find black bars on the bottom and top or on the left and right sides of the screen.*

The images displayed below will give you an overview of maximizing the viewer to full screen with aspect ratio locked. You will find that the aspect ratio is maintained.

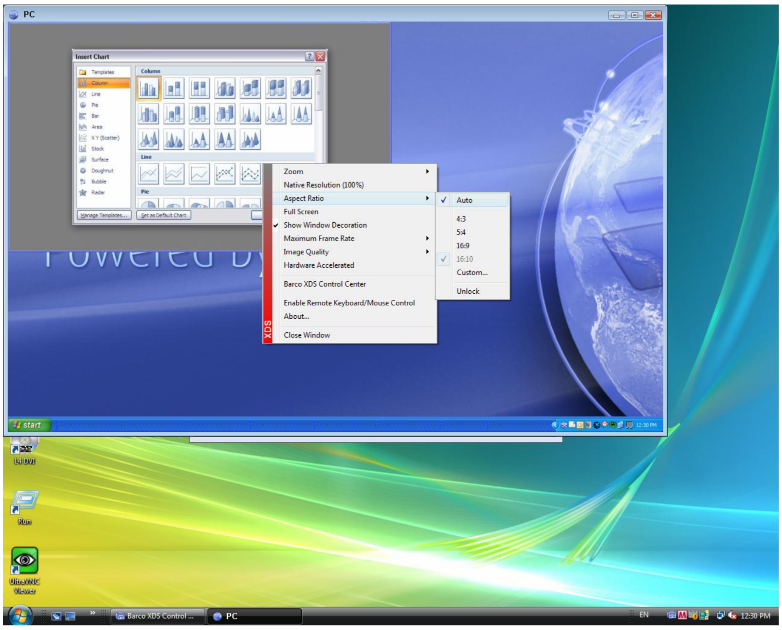

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
Auto
4:3
5:4
16:9
16:10
Custom...
Unlock

Image 3-74
Context menu: Displaying the viewer with aspect ratio locked

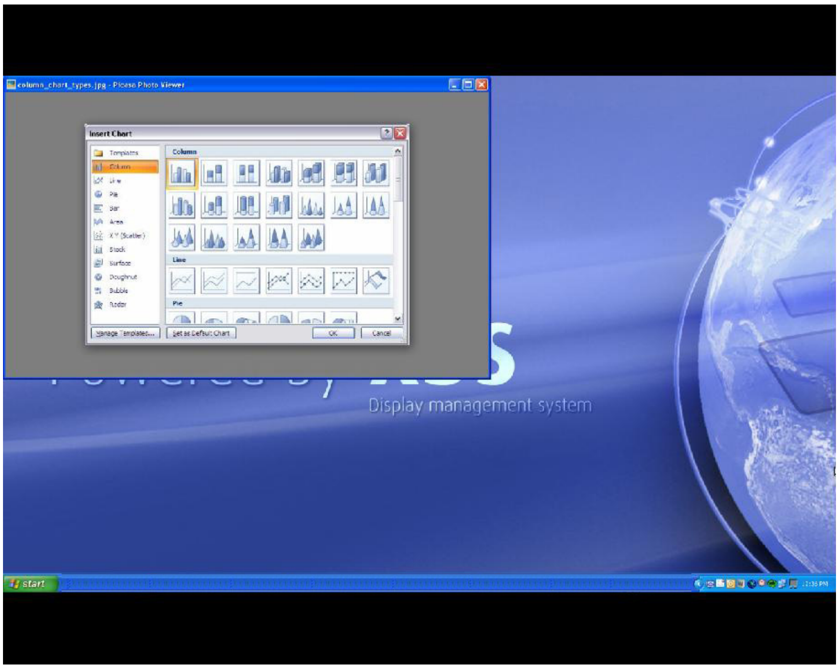

Display management system

Image 3-75
Context menu: Displaying the viewer with full screen option selected and aspect ratio locked

How to maximize the viewer when aspect ratio is unlocked?

1. Firstly, to unlock the aspect ratio, right-click on the viewer to open the context menu
2. Select **Aspect Ratio**
3. Select the option **Unlock**

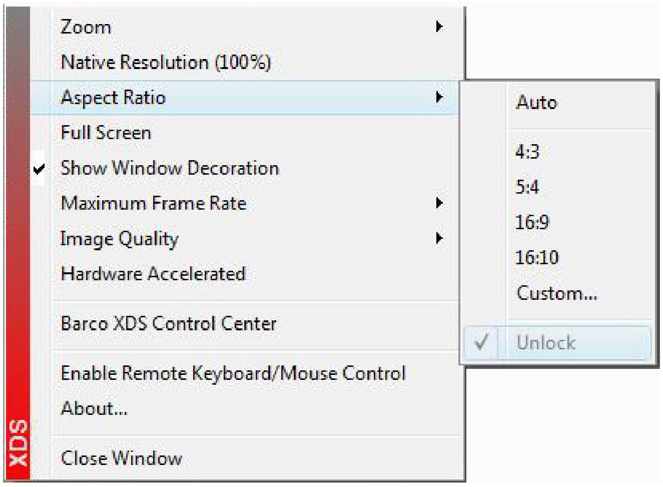

XDS
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
Auto
4:3
5:4
16:9
16:10
Custom...
✓ Unlock

Image 3-76
Context menu: Unlocking aspect ratio

4. Now select the option **Full Screen** from the context menu
   Or, you can also double-click on the title bar of the viewer window to maximize to full screen

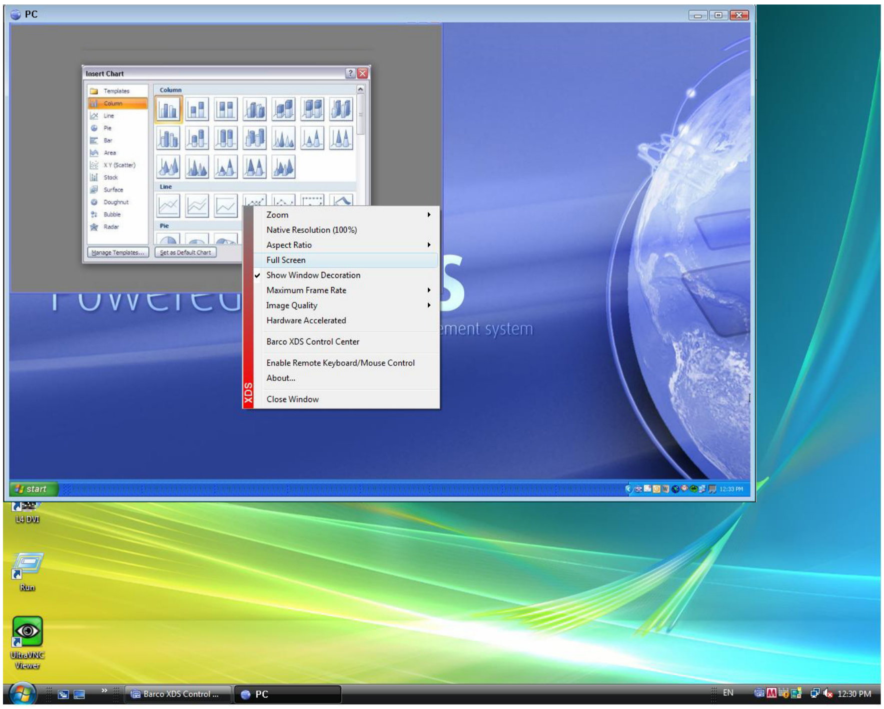

PC
Insert Chart
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
start
Barco XDS Control ...
PC
12:30 PM

Image 3-77
Context menu: Select full screen option when aspect ratio is unlocked

You will find that the image is stretched to its maximum with no regard to aspect ratio. For example, see image below. Compare it with image 3-75. When you zoom, the aspect ratio will no longer be preserved in this case of the other. You can scale in one direction independent of the other.

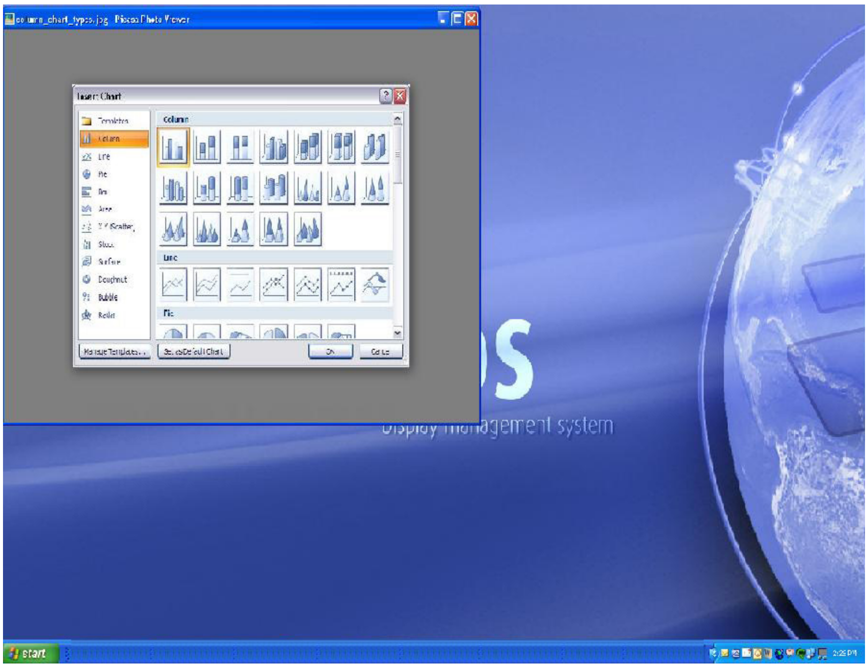


Image 3-78
Context menu: Displaying the viewer with full screen option selected and aspect ratio unlocked

How to revert to normal view?

To return to normal view from full screen mode:

1. Right-click on the screen to open the context menu
2. De-select *Full Screen* option

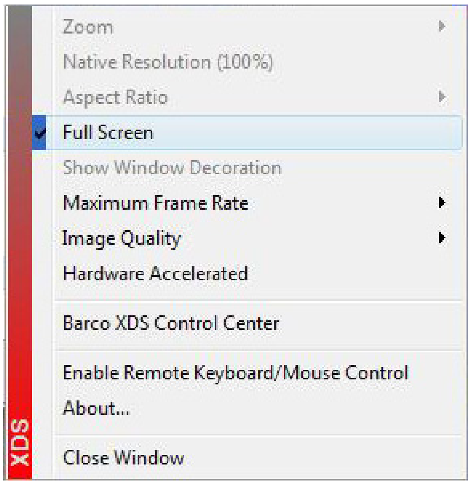

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-79
Context menu: De-select Full Screen option

3.7.3 Moving a window of which the top bar is off-screen

How to move the window of which the top bar is off-screen?

1. If the top-bar of the viewer window is out of the visible area, then place your mouse pointer on the visible area of the viewer window
2. Press **CTRL** button on your keyboard and move your mouse simultaneously to move the window. See **label 1**.

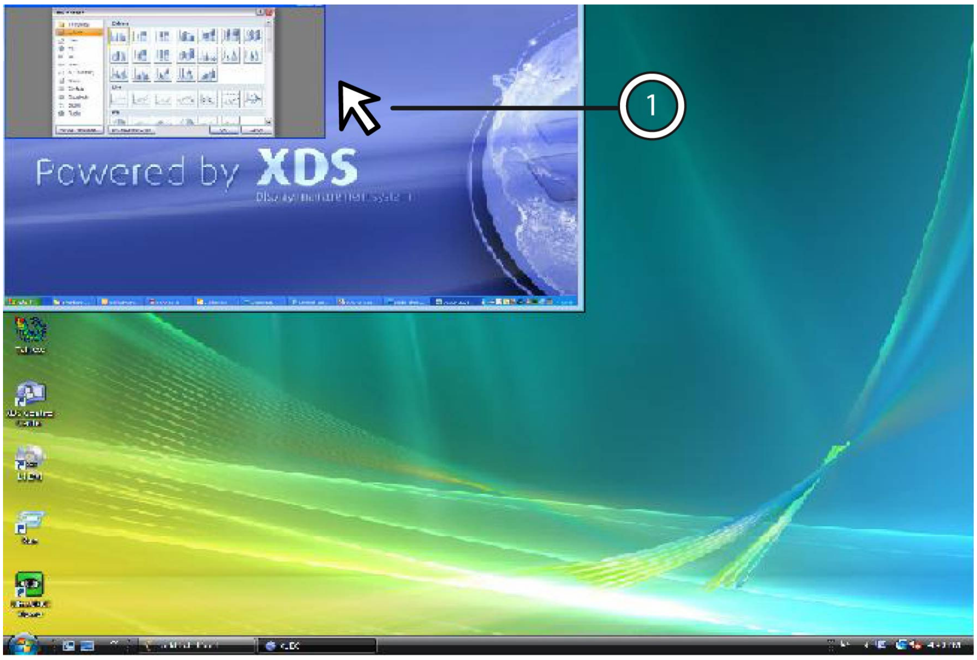


Image 3-80
Moving the viewer window of which the top bar is off-screen

3.7.4 Moving a window without window decoration

How to move a window without decoration?

1. Place your mouse pointer on the viewer window
2. Press **CTRL** button on your keyboard and move your mouse simultaneously to move the window. See **label 1**.

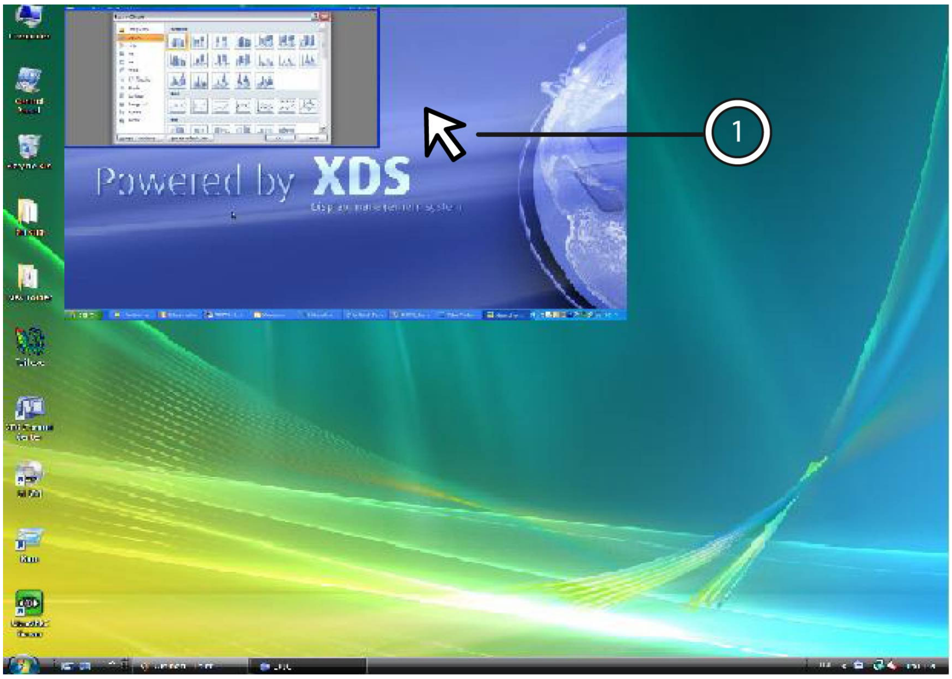


Image 3-81
Move a window without decoration

3.7.5 Setting native resolution of a source

How to set native resolution of a source?

1. Right-click on the viewer to open the context menu
2. Select the option **Native Resolution (100%)**

This option displays the source in its native size without scaling.

Note: *Whenever a source is launched, it will open up in its native resolution and native aspect ratio. If the native aspect ratio is listed in the standard ratios, the corresponding ratio will be checked in the list.*

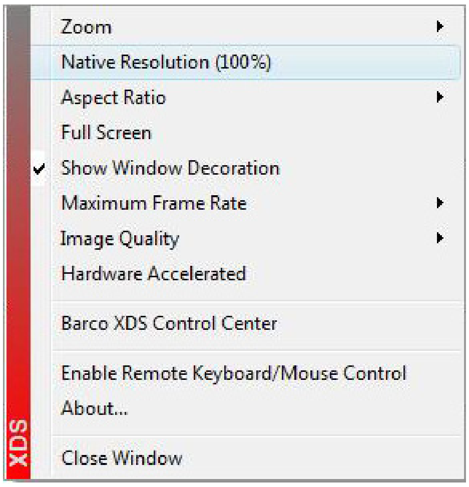

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-82
Context menu: Set the native resolution

3.7.6 Showing/Hiding a window border

How to show a window border?

1. Right-click on the viewer to open the context menu
2. Select *Show Window Decoration* to see the window border.
   For example, see image 3-83, it displays the source with the window border and the *Show Window Decoration* option is checked.

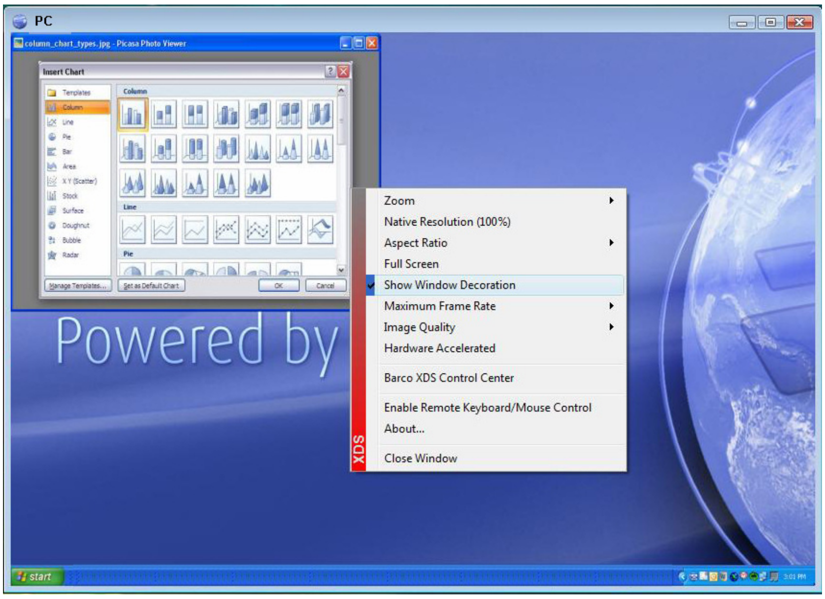

PC
column_chart_types.jpg - Picasa Photo Viewer
Insert Chart
Column
Line
Pie
Powered by
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
start

Image 3-83
Context menu: Show window decoration

Note: *By default, the Show Window Decoration option is always enabled.*

How to hide a window border?

1. Right-click on the source to open the context menu
2. De-select *Show Window Decoration* option to hide the window border. Only the inserted source will be displayed.

   The image 3-84 displays the source without the window border and the *Show Window Decoration* option is unchecked.

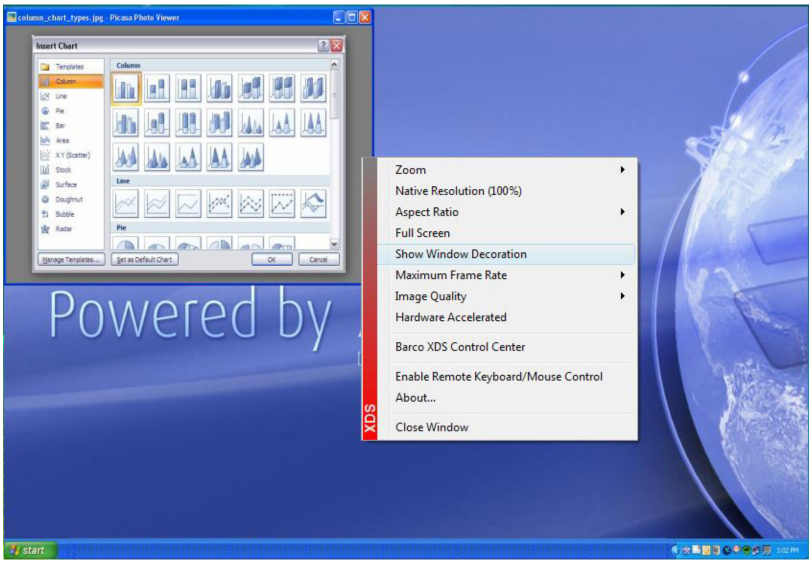

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
Powered by
Insert Chart
start

Image 3-84
Context menu: Hide window decoration

3.7.7 Zooming a window

zoom percent

The zoom percent is the percentage to either enlarge or reduce a source window from its original size. The standard options are: 25%, 50%, 75%, 100%, 125%, 150%, 175%, 200%, and 250%.

How to zoom a window?

If your source is too large to fit on your display or too small to see the finer detail of the source on your display, you can adjust the size of a viewer window by zooming or by using the standard zoom percent options.

1. Right-click on the source window to open the context-menu
2. Select *Zoom*

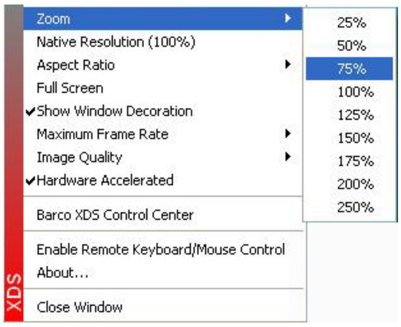

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓Show Window Decoration
Maximum Frame Rate
Image Quality
✓Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
25%
50%
75%
100%
125%
150%
175%
200%
250%

Image 3-85
Source settings: Select the zoom percent

3. Select the required zoom percent

Or,
click on the viewer window and drag the corner of the viewer window by continuously pressing the left mouse button or do the same on the side borders

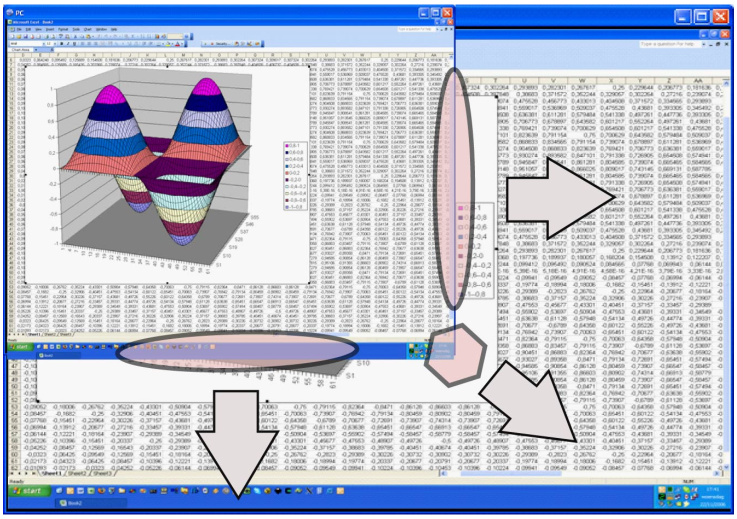


Image 3-86
Source settings: Zoom a window

Note: *If the aspect ratio is Unlocked, the aspect ratio will not be maintained when zooming is done with side borders.*

3.7.8 Adjusting frame rate

frame rate

Specifies the number of frames to be displayed per second.

Adjusting the frame rate of a viewer is only possible for viewers that display a remote desktop sharing source.

Frame rate

Frame rate can influence the user's experience in viewing the source window movement in two ways; sometimes the illusion of motion will not be effective, or if it is unsynchronized with the display device, the source window will show choppy movement.

Adjusting the frame rate enables you to get a smooth and unconstrained movement of source window and to have control on the network bandwidth that is used, when shifting the viewer from one position to another. The higher the frame rate, the smoother is the movement of source window.

How to adjust frame rate?

1. Right-click on the source to open the context menu
2. Select *Maximum Frame Rate*

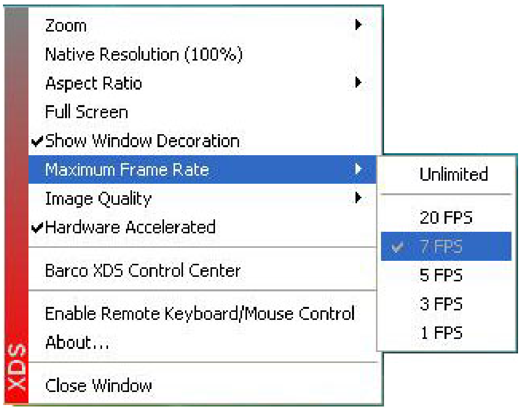

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓Show Window Decoration
Maximum Frame Rate
Image Quality
✓Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS
Unlimited
20 FPS
✓ 7 FPS
5 FPS
3 FPS
1 FPS

Image 3-87
Context menu: Adjust the frame rate

A drop-down list opens with the standard frame rates.

3. Select the required frame rate or select *Unlimited*.
   Note: ***Unlimited*** *is the maximum frame rate that can be set. It is equal to the highest possible frame rate that the* ***CPU*** *of the XDS Control Center PC (display) can support at that point of time.*

3.7.9 Setting image quality

The image quality option appears only for XDS Desktop Sharing source.

How to set image quality?

Image quality settings has effects on frame rate and network bandwidth usage.

1. Right-click on the source to open the context menu
2. Select *Image Quality*

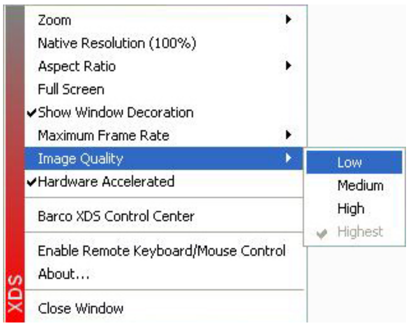

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓Show Window Decoration
Maximum Frame Rate
Image Quality
✓Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
Low
Medium
High
✓ Highest
XDS

Image 3-88
Context menu: Select image quality

3. You can select any of the standard options: *Low*, *Medium*, *High*, or *Highest*
   Note: *Setting the image quality to* ***Low*** *will result in lower quality image compression, higher frame rate, and less network bandwidth usage.*

3.7.10 Enabling hardware acceleration

hardware acceleration

Using hardware to perform a function faster than is possible in software running on the CPU.

This option appears only for a desktop sharing source. Switching on hardware acceleration forces scaling to be executed in the GPU.

How to enable hardware acceleration?

1. Right-click inside the viewer window to open the context menu
2. Click **Hardware Accelerated**

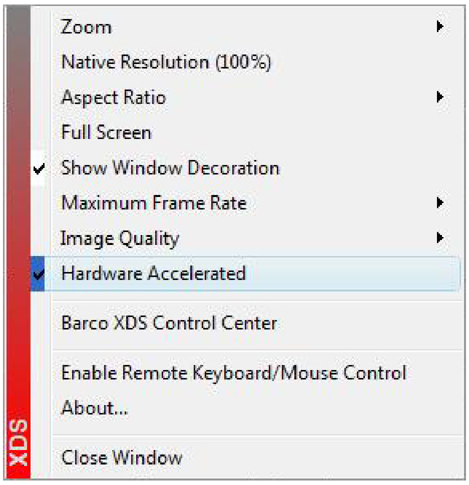

XDS
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Maximum Frame Rate
Image Quality
✓ Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window

Image 3-89
Hardware accelerated

3.7.11 Adjusting the image

How to use image controls?

1. Right-click inside the viewer window to open the context menu
2. Click **Image Controls...**

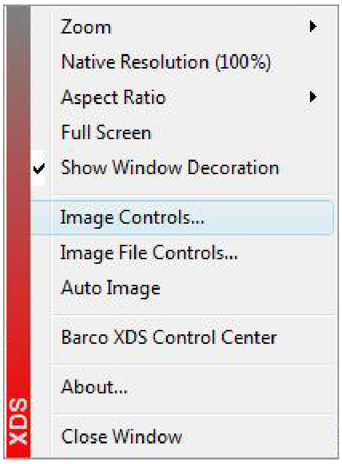

XDS
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Image Controls...
Image File Controls...
Auto Image
Barco XDS Control Center
About...
Close Window

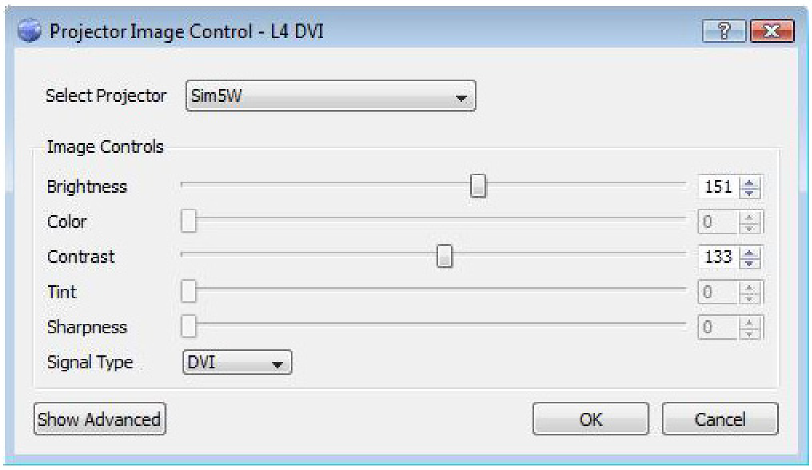
Image 3-90
Image control

The image control dialog box opens.

3. Select the display from **Select projector** drop-down list

   Note: *All adjustments are not possible for every type of signal. For an RGB signal, you can adjust the tint and sharpness. For a video signal, you can adjust the contrast, brightness, tint (only for NTSC signals), and sharpness. For a DVI signal, you can adjust the brightness and contrast.*

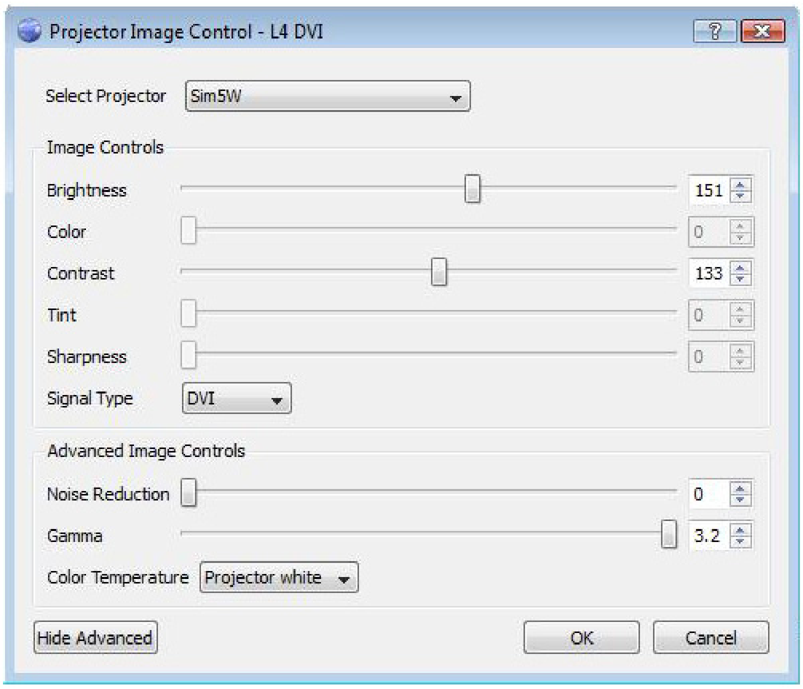
   Note: *For multi-viewport windows that show multiple sources (e.g. clusters) in a single window, right-click on the source that you want to control.*


Projector Image Control - L4 DVI
Image Controls
Show Advanced
OK
Cancel

Select Projector Sim5W
Brightness 151
Color 0
Contrast 133
Tint 0
Sharpness 0
Signal Type DVI

Image 3-91
Adjust the image

4. Select the signal type from the **Signal Type** drop-down list
5. Adjust controls such as brightness, color, contrast, tint, and sharpness
6. Click **Show Advanced** to expand the dialog


Projector Image Control - L4 DVI
Image Controls
Advanced Image Controls
Hide Advanced
OK
Cancel

Select Projector Sim5W
Brightness 151
Color 0
Contrast 133
Tint 0
Sharpness 0
Signal Type DVI
Noise Reduction 0
Gamma 3.2
Color Temperature Projector white

Image 3-92
Advanced image controls

7. You can adjust for noise reduction and gamma
8. Select the **Color Temperature** from the drop-down list. The available options are projector white, computer, video, film, and disabled (to disable the option)
9. Click **Hide Advanced** to hide the advanced image controls
10. Click **OK** for changes to take effect
    Note: *Inactive controls are grayed out. In this case (for a data signal), color, tint and sharpness are grayed out*

3.7.12 Adjusting the image file

How to use image file controls?

An image file contains the main characteristics of a source, for example, number of active lines. The system memory contains a list of files corresponding to the most common sources (standard files). When a new source corresponds with none of these files, a custom file is created. The file is automatically saved as a custom file. The image file controls function enables you to adapt and save a custom file.

1. Right-click inside the viewer window to open the context menu

2. Click **Image File Controls...**

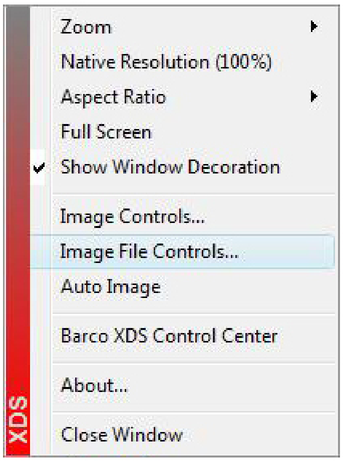
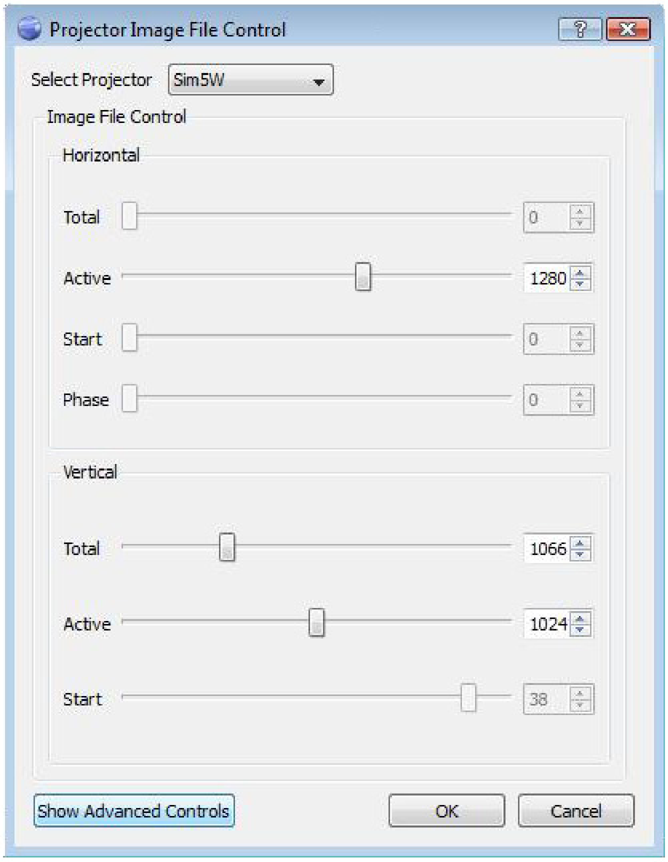

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Image Controls...
Image File Controls...
Auto Image
Barco XDS Control Center
About...
Close Window
XDS

Image 3-93
Image file control

The image file controls dialog box opens.


Projector Image File Control
Image File Control
Horizontal
Vertical
Show Advanced Controls
OK
Cancel

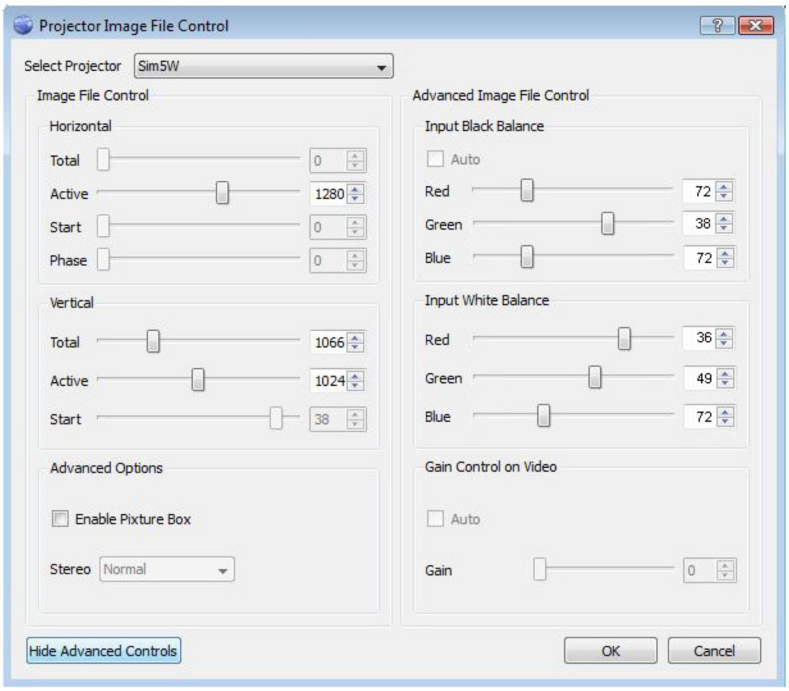
Select Projector: Sim5W

Horizontal
Total: 0
Active: 1280
Start: 0
Phase: 0

Vertical
Total: 1066
Active: 1024
Start: 38

Image 3-94
Image file control dialog

3. Select the display from **Select projector** drop-down list
4. Adjust controls such as active and total pixels
   Note: *Not all adjustments are available for each type of source, it can slightly differ depending on whether the source is a high resolution/ stereo source (connected to WND 264) or a low resolution data or video source (connected to Transform A).*
5. Click **Show Advanced Controls** to expand the dialog


Projector Image File Control
Hide Advanced Controls
OK
Cancel

Select Projector: Sim5W

Image File Control

Horizontal
Total: 0
Active: 1280
Start: 0
Phase: 0

Vertical
Total: 1066
Active: 1024
Start: 38

Advanced Options
☐ Enable Pixture Box
Stereo: Normal

Advanced Image File Control

Input Black Balance
☐ Auto
Red: 72
Green: 38
Blue: 72

Input White Balance
Red: 36
Green: 49
Blue: 72

Gain Control on Video
☐ Auto
Gain: 0

Image 3-95
Advanced image file controls

6. Click **Hide Advanced Controls** to hide the advanced controls
7. Click **OK** for changes to take effect

3.7.13 Setting Auto image

How to set Auto image?

On setting auto image, the best suited image file for the selected source is created automatically.

1. Right-click inside the viewer window to open the context menu
2. Click **Auto Image**

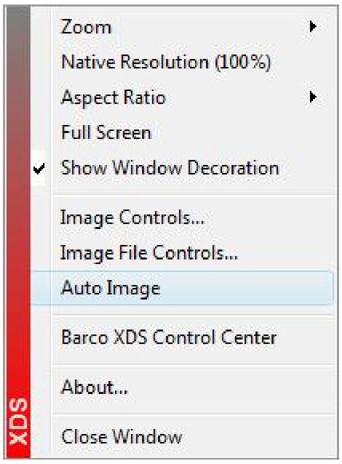
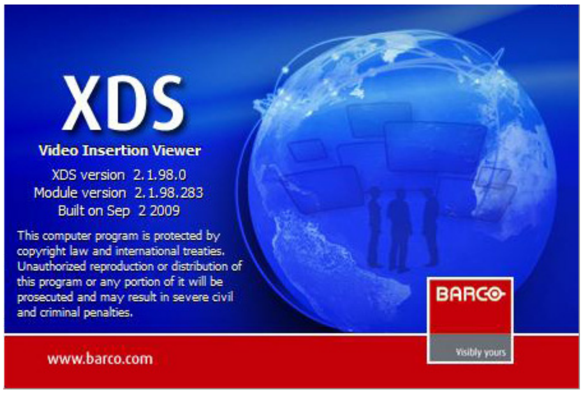

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Image Controls...
Image File Controls...
Auto Image
Barco XDS Control Center
About...
Close Window
XDS

Image 3-96
Auto image

3.7.14 Knowing the details of installed XDS software

How to know the details of the installed XDS software?

1. Right-click on the source to open the context menu
2. Click *About*



XDS

Video Insertion Viewer

XDS version 2.1.98.0
Module version 2.1.98.283
Built on Sep 2 2009

This computer program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program or any portion of it will be prosecuted and may result in severe civil and criminal penalties.

www.barco.com

BARCO
Visibly yours

Image 3-97
About screen

The XDS software version, module version, and the date of the build is displayed.

3.7.15 Using remote keyboard/mouse control

key sequence

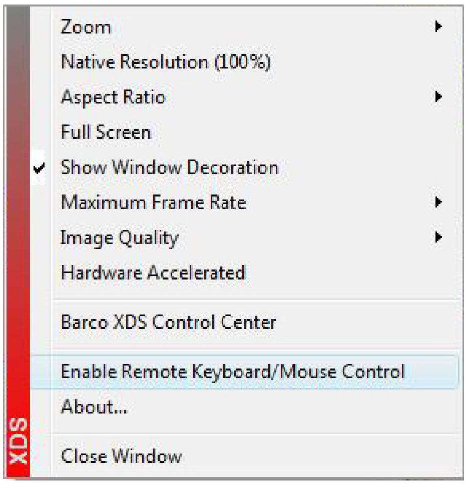
A key sequence, or key for short, is a sequence of one or more input events that is meaningful as a unit. It is otherwise called as keyboard shortcut.

Overview

When you have shared your desktop on the display through desktop sharing client, the user of the display can enable remote keyboard or mouse control to access your system. When enabled, the user of the display can use his/her keyboard and mouse to control the applications in your desktop.

How to use remote keyboard/mouse control?

1. Right-click on the source window of the desktop sharing client
2. Click *Enable Remote Keyboard/Mouse Control*



Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Maximum Frame Rate
Image Quality
Hardware Accelerated
Barco XDS Control Center
Enable Remote Keyboard/Mouse Control
About...
Close Window
XDS

Image 3-98
Enable Remote Keyboard/Mouse Control

You will find a remote control bar attached to the title bar of the source window.

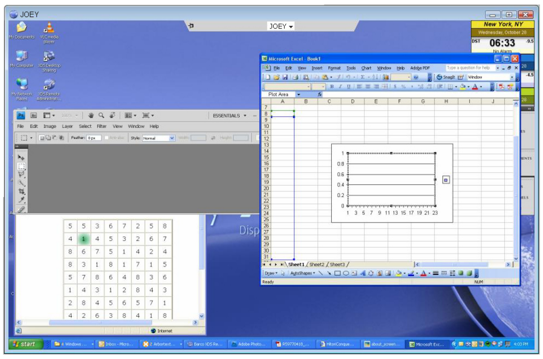

JOEY
JOEY
New York, NY
06:33

Image 3-99
Remote control bar

3. Click the down arrow to open the drop-down list
   You will find options to use key sequence; set zoom percentage, native resolution, aspect ratio; switch to full screen; show window decoration; view the details of XDS software; and close viewer. All the options are described in previous topics except for key sequence, please see "Settings of a source — right-click option", page 39.
   Note: *When an XDS Desktop Sharing viewer has enabled remote keyboard mouse control and the mouse is positioned above that viewer one will notice that not all key sequences reach the remote PC. Instead they get executed on the XDS PC. Some key sequences, like **CTRL+ALT+DEL** are intercepted by the operating system of the XDS Control Center PC that assumes they need to be executed on the XDS Control Center PC. To be able to send such key sequences to the remote PC for execution on the remote PC, the **Send Key Sequence** menu in the control bar of the viewer must be used.*

4. To use key sequence,
   a) Open the drop-down list
   b) Select *Send Key Sequence*

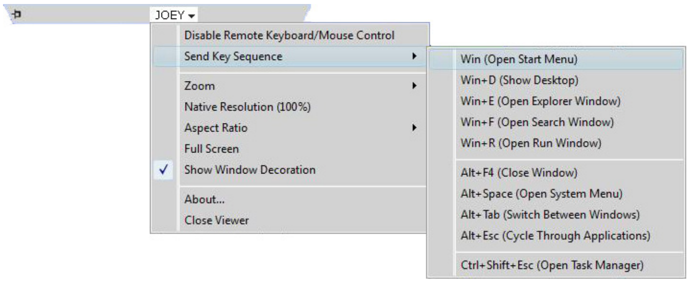

JOEY
Disable Remote Keyboard/Mouse Control
Send Key Sequence
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
About...
Close Viewer
Win (Open Start Menu)
Win+D (Show Desktop)
Win+E (Open Explorer Window)
Win+F (Open Search Window)
Win+R (Open Run Window)
Alt+F4 (Close Window)
Alt+Space (Open System Menu)
Alt+Tab (Switch Between Windows)
Alt+Esc (Cycle Through Applications)
Ctrl+Shift+Esc (Open Task Manager)

Image 3-100
Send key sequence

   A drop-down list opens with a list of all the available keyboard shortcuts.
   c) Choose the key sequence of your choice

3.7.16 Disable remote keyboard/mouse control

How to disable remote keyboard/mouse control?

1. From the remote control bar, click open the drop-down list
2. Select *Disable Remote Keyboard/Mouse Control*

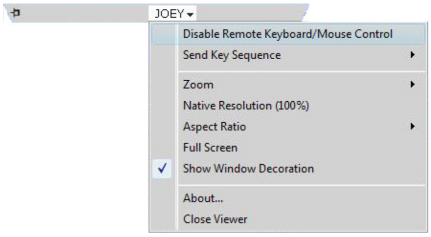

JOEY
Disable Remote Keyboard/Mouse Control
Send Key Sequence
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
About...
Close Viewer

Image 3-101
Disable Remote Keyboard/Mouse Control

The user of the display will no longer be able to control the applications in your desktop.

3.8 Introduction to layouts

Overview

- Introduction
- Creating a layout
- Saving a layout
- Using the Save Layout Advanced dialog
- Launching a layout
- Managing Layouts

3.8.1 Introduction

layout

An arrangement of source(s) and/or application windows on the display desktop screen at a given point of time

presentation

A collection of layouts that have been ordered by the user in a sequence

Overview

XDS allows you to save an arrangement of sources and/or application windows on the display desktop screen at a given point of time, as a Layout. The layouts can be saved only under presentations. They can never be standalone.

All layouts related to Audit plan 09, can be saved under a presentation called “Audit Plan 09”, and all other layouts related to Audit plan 08 can be saved under a presentation “Audit Plan 08.”

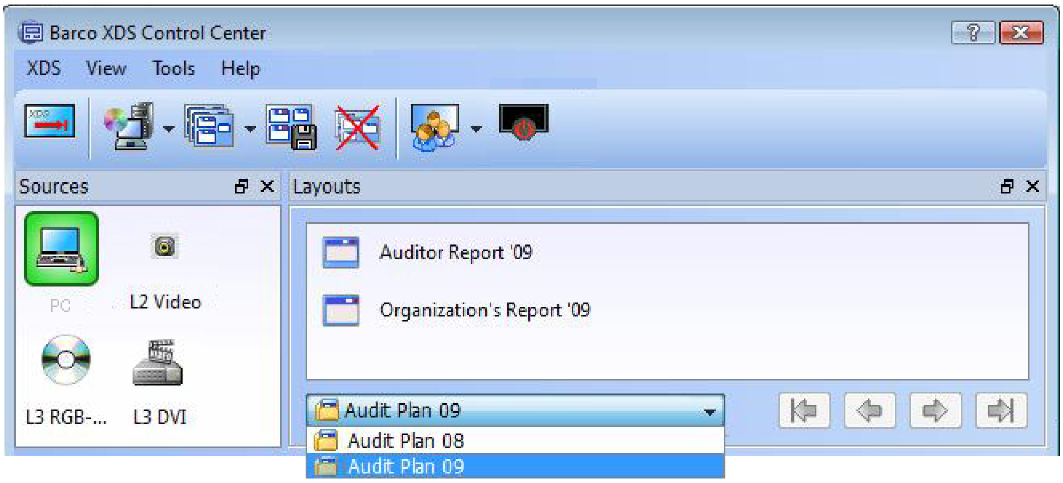


Image 3-102
Save layouts under **Audit Plan 09**

Layouts and presentations created by one session user cannot be seen by other session user, unless the privileges are set differently by the administrator. When you double-click a layout, XDS will launch all the sources and application windows saved in this layout.

3.8.2 Creating a layout

How to create a layout?

To create a layout, you will need sources to be connected to the XDS display system.

1. After connecting the sources, you will find the icons of the sources visible on the source widget in the XDS Control Center GUI. They are displayed with their default names. You can rename the source icon as per your wish. To know how to rename a source, refer to "XDS Control Center GUI: Sources View", page 15.
   Note: *A source can be a remote desktop sharing source, which is connected through the network.*

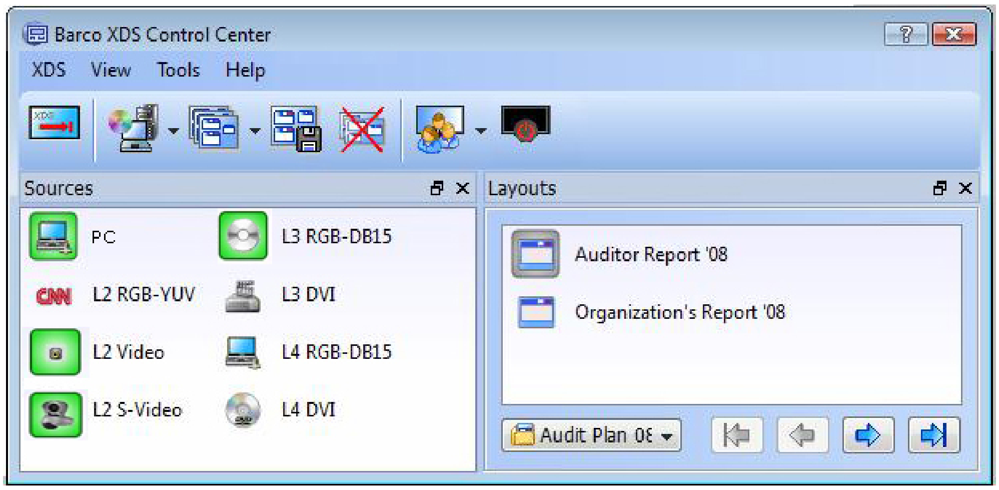

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Layouts
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-103
Launch the desired sources

2. From the above image 3-103, let us consider that you want to display the following sources:
   - PC: remote participant
   - L2 Video: video signal of a video player running a movie
   - L2 S Video: video conference
   - L3 RGB DB15: image representing an Microsoft Excel™ sheet (This refers to a source window and not an application window)
3. Double-click on the **desired sources** (sources to be placed on the desktop to be a part of the layout) to launch them
   All the selected sources are displayed on the desktop. Each source is displayed into a viewer. Each viewer displays the name of the source on the title bar.
4. Now organize the different sources on the screen as per your wish. Position and scale the windows as per your desire in the same way as you would position and resize any regular application

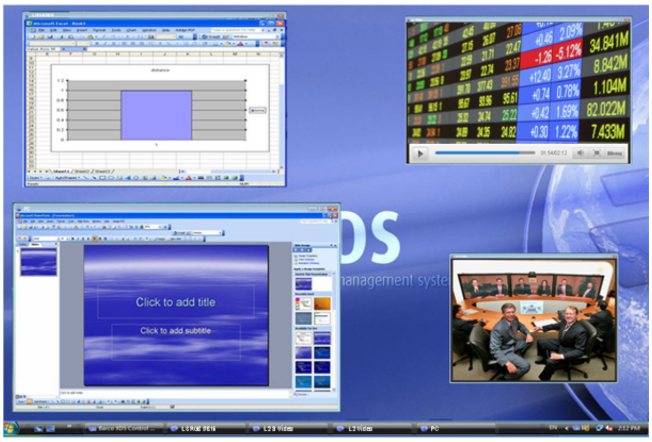


Image 3-104
Organizing different sources to create a layout

You will see that a layout has been created already.

3.8.3 Saving a layout

How to save a layout?

You can save a layout using the **Save Layout** dialog.

1. From the XDS Control Center GUI, click the **Save Layout** button from the toolbar or press **CTRL+S**

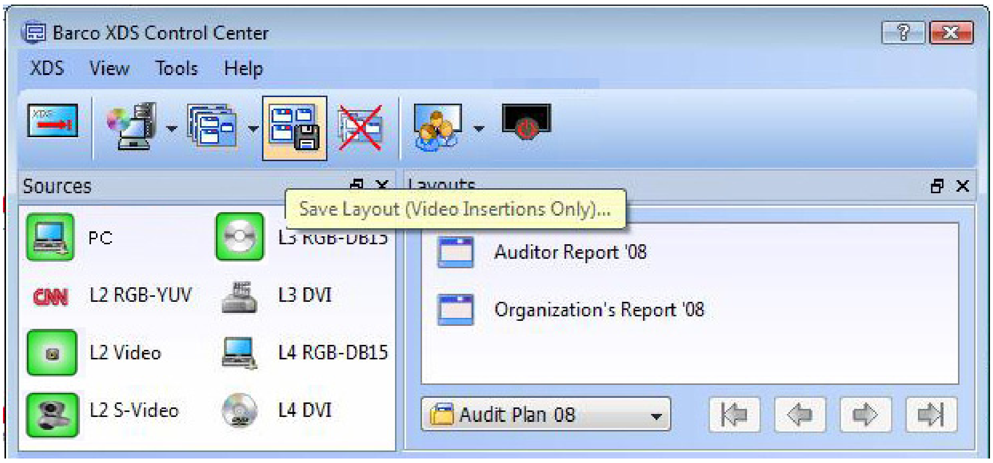

Barco XDS Control Center
XDS View Tools Help
Sources
Layouts
Save Layout (Video Insertions Only)...
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-105
Save Layout icon

Or, open the *Tools* menu and click *Save Layout...*

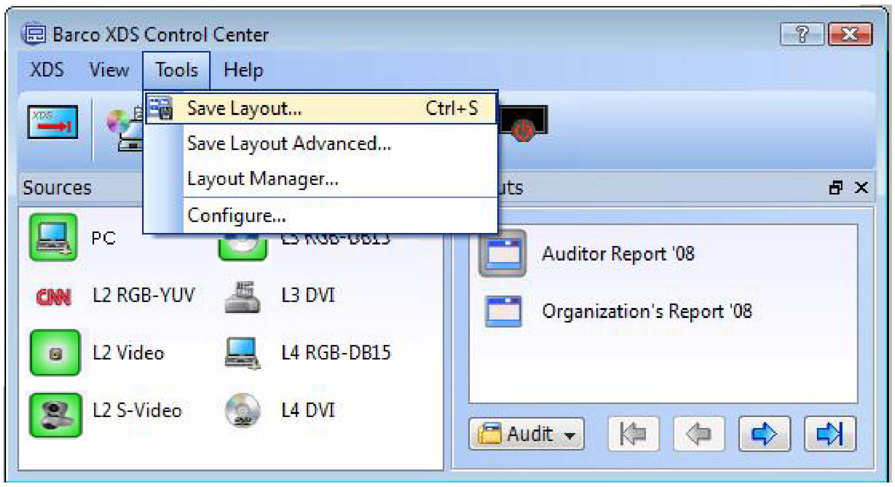
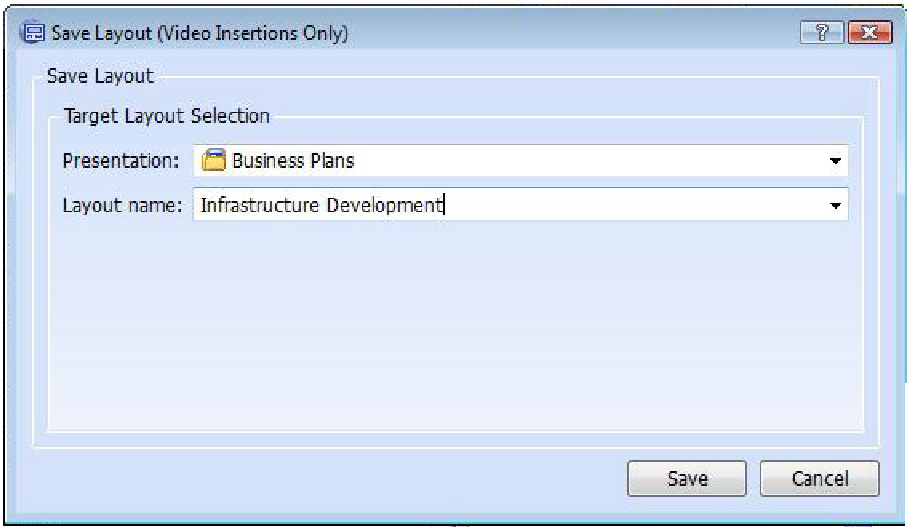

Barco XDS Control Center
XDS View Tools Help
Save Layout... Ctrl+S
Save Layout Advanced...
Layout Manager...
Configure...
Sources
PC
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Auditor Report '08
Organization's Report '08
Audit

Image 3-106
Click Save Layout option

The **Save Layout** dialog opens.


Save Layout (Video Insertions Only)
Save Layout
Target Layout Selection
Save
Cancel

Presentation: Business Plans

Layout name: Infrastructure Development

Image 3-107
Save layout dialog

2. In the **Presentation** text field, select/specify a name for the presentation under which you want to save your layout
3. In the **Layout name** text field, specify a name for the layout
   Note: *Layouts must always be saved under a presentation. It can never be standalone. So make sure you select/specify a name for presentation.*
4. Click **Save**

The layout is saved and added to the layout widget. It will also be available under **My layouts** in the **Start** menu. See image 3-109.

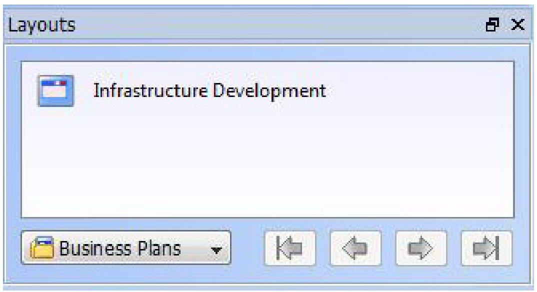

Layouts
Infrastructure Development
Business Plans

Image 3-108
Saved layout visible in the layout widget

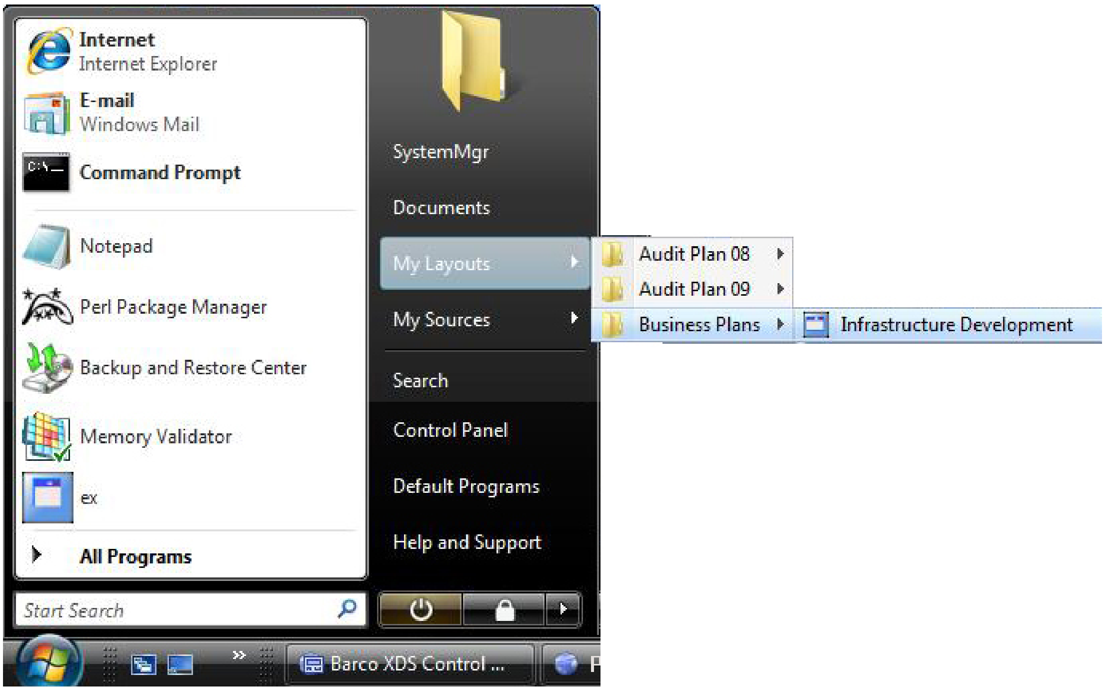

Internet
Internet Explorer
E-mail
Windows Mail
Command Prompt
Notepad
Perl Package Manager
Backup and Restore Center
Memory Validator
ex
All Programs
Start Search
SystemMgr
Documents
My Layouts
My Sources
Search
Control Panel
Default Programs
Help and Support
Audit Plan 08
Audit Plan 09
Business Plans
Infrastructure Development
Barco XDS Control ...

Image 3-109
Saved layouts visible from the Start menu

The saved layout will also be visible from the toolbar. Click **Launch Layout** icon in the toolbar. You will find a drop-down list of the saved layouts.

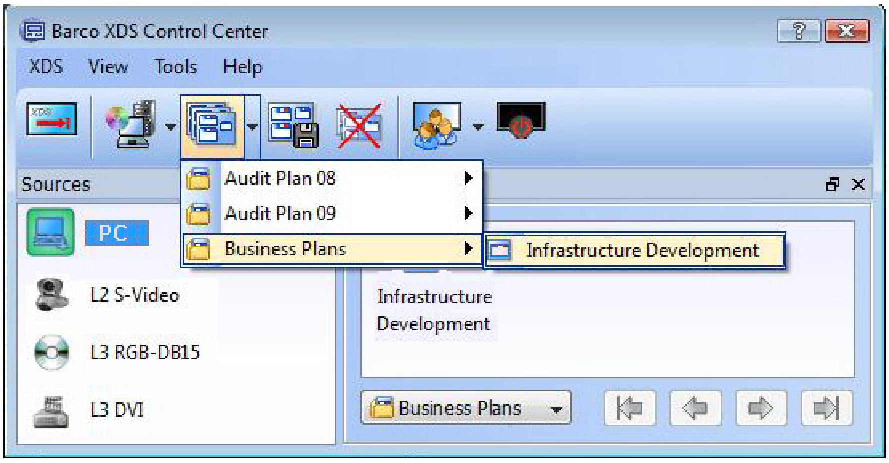

Barco XDS Control Center
XDS
View
Tools
Help
Sources
PC
L2 S-Video
L3 RGB-DB15
L3 DVI
Audit Plan 08
Audit Plan 09
Business Plans
Infrastructure Development
Infrastructure Development
Business Plans

Image 3-110
Saved layout visible from toolbar

3.8.4 Using the Save Layout Advanced dialog

Overview

From the **Save Advanced Layout** dialog, you can save applications windows along with sources in a layout. While using a multi-channel PC, you can save a layout with multi-view port source window, i.e. save a layout containing more that one sources in a single viewer window.

3.8.4.1 Launching the Save Layout Advanced dialog

Overview

You can launch the Save Layout Advanced dialog from the system tray or from the XDS Control Center. The following topics will guide you how to launch the dialog in both ways.

How to launch the Save Layout Advanced dialog from XDS Control Center?

1. On the XDS Control Center, open the **Tools** menu
2. Click *Save Layout Advanced...*

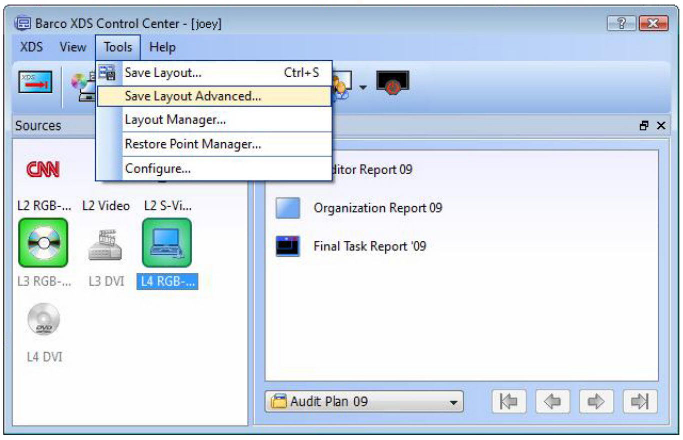
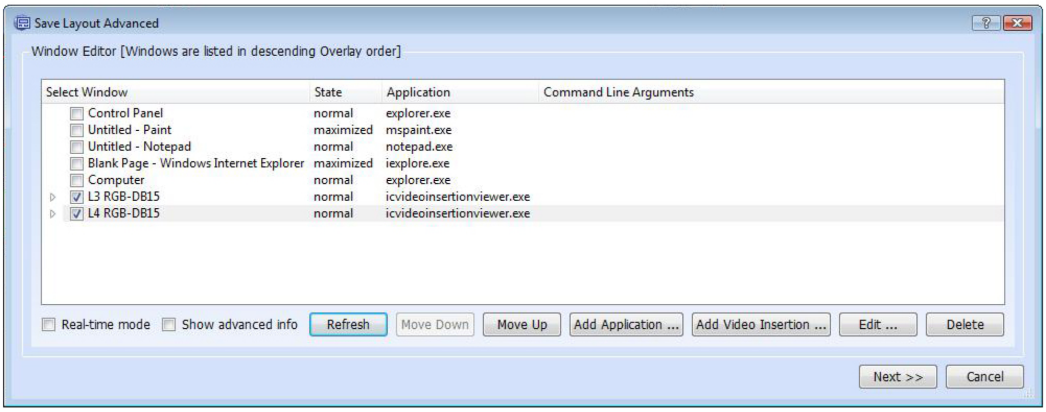

Barco XDS Control Center - [joey]
XDS
View
Tools
Help
Save Layout...
Ctrl+S
Save Layout Advanced...
Layout Manager...
Restore Point Manager...
Configure...
Sources
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
ditor Report 09
Organization Report 09
Final Task Report '09
Audit Plan 09

Image 3-111
Click Save layout Advanced option

The **Save Layout Advanced** dialog opens.


Save Layout Advanced
Window Editor [Windows are listed in descending Overlay order]

Select Window	State	Application	Command Line Arguments
☐ Control Panel	normal	explorer.exe	
☐ Untitled - Paint	maximized	mspaint.exe	
☐ Untitled - Notepad	normal	notepad.exe	
☐ Blank Page - Windows Internet Explorer	maximized	iexplore.exe	
☐ Computer	normal	explorer.exe	
☑ L3 RGB-DB15	normal	icvideoinsertionviewer.exe	
☑ L4 RGB-DB15	normal	icvideoinsertionviewer.exe	

☐ Real-time mode
☐ Show advanced info
Refresh
Move Down
Move Up
Add Application ...
Add Video Insertion ...
Edit ...
Delete
Next >>
Cancel

Image 3-112
Save Layout Advanced dialog view

By default, the opened source windows will be checked. The other applications that are running will be visible in the list, but not checked.

How to launch the Save Layout Advanced dialog from the system tray?

1. On the system tray, click on the **XDS Control Center** icon

The shortcut menu opens.

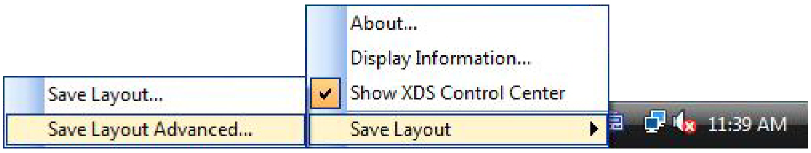

About...
Display Information...
✓ Show XDS Control Center
Save Layout
Save Layout...
Save Layout Advanced...
11:39 AM

Image 3-113
System tray icon

2. Select *Save Layout*
3. Click *Save Layout Advanced...*

   The **Save Layout Advanced** dialog will open.

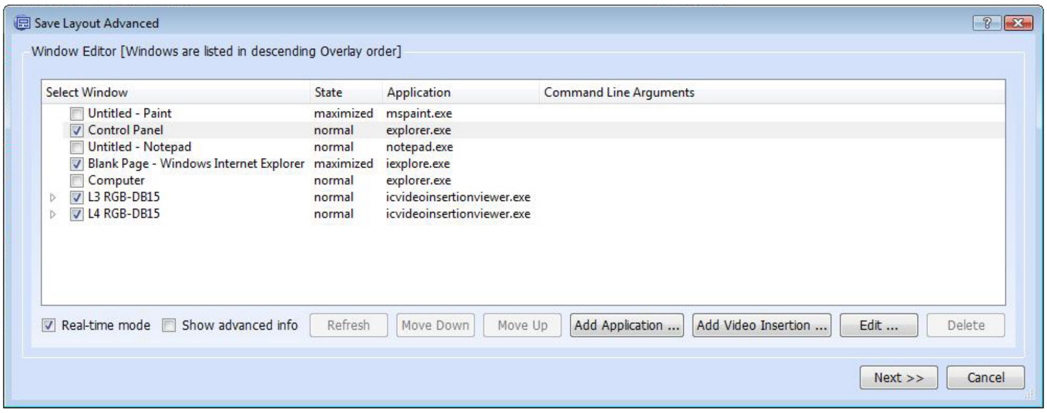
   The Save Layout Advanced dialog can be viewed in two ways: real-time mode and advanced info.

Real-time view

When this option is checked, the dialog displays the:

- name of the source window
- state of source window
- type of source (application, viewer or more)
- command line arguments of the application

In real-time view, the list of applications and video insertions get refreshed automatically.


Save Layout Advanced
Window Editor [Windows are listed in descending Overlay order]

Select Window	State	Application	Command Line Arguments
☐ Untitled - Paint	maximized	mspaint.exe	
☑ Control Panel	normal	explorer.exe	
☐ Untitled - Notepad	normal	notepad.exe	
☑ Blank Page - Windows Internet Explorer	maximized	iexplore.exe	
☐ Computer	normal	explorer.exe	
▷ ☑ L3 RGB-DB15	normal	icvideoinsertionviewer.exe	
▷ ☑ L4 RGB-DB15	normal	icvideoinsertionviewer.exe	

☑ Real-time mode ☐ Show advanced info

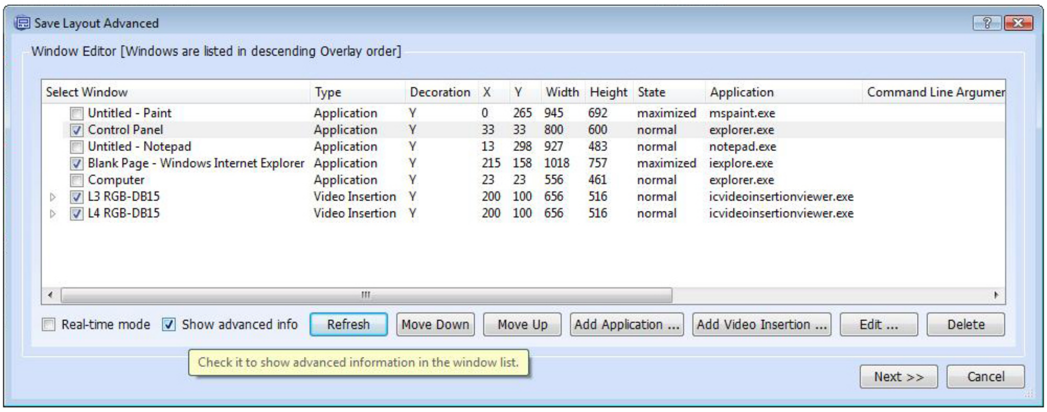
Refresh
Move Down
Move Up
Add Application ...
Add Video Insertion ...
Edit ...
Delete
Next >>
Cancel

Image 3-114
Real Time mode view

Advanced info view

Check this option to see advanced information about the running applications such as,

- the type of source
- status of window decoration
- X, Y position of top-left corner of source window (relative to desktop, the top-left corner of desktop is the origin (0,0))
- width and height of the source window, which includes the window border
- command line arguments of the application


Save Layout Advanced
Window Editor [Windows are listed in descending Overlay order]
☐ Real-time mode
☑ Show advanced info
Refresh
Move Down
Move Up
Add Application ...
Add Video Insertion ...
Edit ...
Delete
Check it to show advanced information in the window list.
Next >>
Cancel

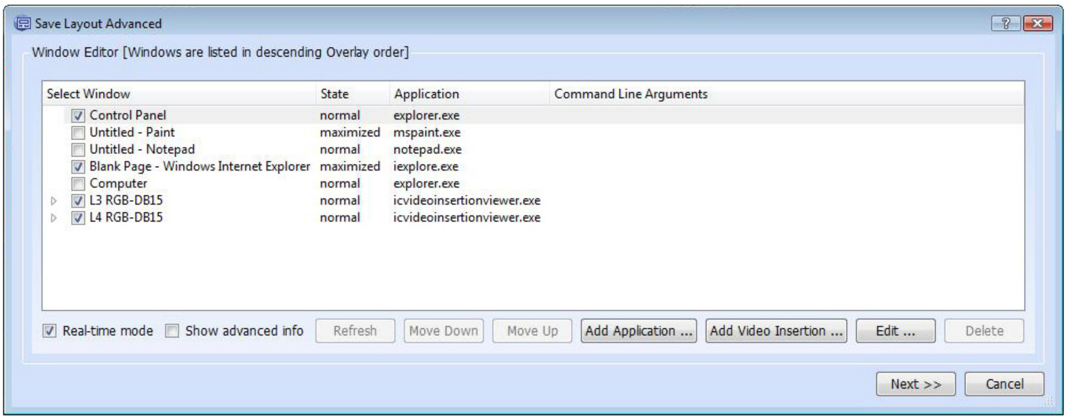
Select Window	Type	Decoration	X	Y	Width	Height	State	Application	Command Line Argumer
☐ Untitled - Paint	Application	Y	0	265	945	692	maximized	mspaint.exe	
☑ Control Panel	Application	Y	33	33	800	600	normal	explorer.exe	
☐ Untitled - Notepad	Application	Y	13	298	927	483	normal	notepad.exe	
☑ Blank Page - Windows Internet Explorer	Application	Y	215	158	1018	757	maximized	iexplore.exe	
☐ Computer	Application	Y	23	23	556	461	normal	explorer.exe	
▷ ☑ L3 RGB-DB15	Video Insertion	Y	200	100	656	516	normal	icvideoinsertionviewer.exe	
▷ ☑ L4 RGB-DB15	Video Insertion	Y	200	100	656	516	normal	icvideoinsertionviewer.exe	

Image 3-115
Advanced info view

3.8.4.2 Saving an application to the layout

How to save an application to the layout?

1. From the **Save Layout Advanced** dialog, select the application you want to save to the layout


Save Layout Advanced
Window Editor [Windows are listed in descending Overlay order]
☑ Real-time mode
☐ Show advanced info
Refresh
Move Down
Move Up
Add Application ...
Add Video Insertion ...
Edit ...
Delete
Next >>
Cancel

Select Window	State	Application	Command Line Arguments
☑ Control Panel	normal	explorer.exe	
☐ Untitled - Paint	maximized	mspaint.exe	
☐ Untitled - Notepad	normal	notepad.exe	
☑ Blank Page - Windows Internet Explorer	maximized	iexplore.exe	
☐ Computer	normal	explorer.exe	
▷ ☑ L3 RGB-DB15	normal	icvideoinsertionviewer.exe	
▷ ☑ L4 RGB-DB15	normal	icvideoinsertionviewer.exe	

Image 3-116
Add application to layout

2. Now select the layout in which you want to save the application
   If you want to create a new presentation, and new layout, then please refer to **Adding a presentation**.

3.8.4.3 Options in Save Layout Advanced dialog

Overview

The following diagram will let you know the available options in the Save Layout Advanced dialog.

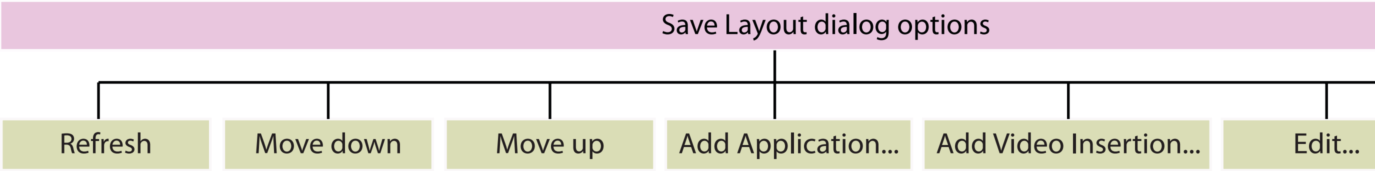

Save Layout dialog options
Refresh
Move down
Move up
Add Application...
Add Video Insertion...
Edit...

Image 3-117
Save Layout Advanced options

- Refresh: Click this button to refresh the list of applications and video insertions
- Move down and Move up: Select any application/video insertion, move them up or down to change the z-order of sources in layout
- Add Application: Add an application to the layout. See details below.
- Add Video Insertion: Add a source to layout. See details below.
- Edit: Edit any application or video insertion settings. See details below.
- Delete: Delete any video insertion or application. See details below.

3.8.4.4 Adding an application to the Layout

Overview

If you want to add an unopened application or a file to a layout , use the **Add Application** button to add it to the layout.

How to add an application to the layout?

1. From the **Save Layout Advanced** dialog, click **Add Application...**

   The **Add Application** dialog opens.

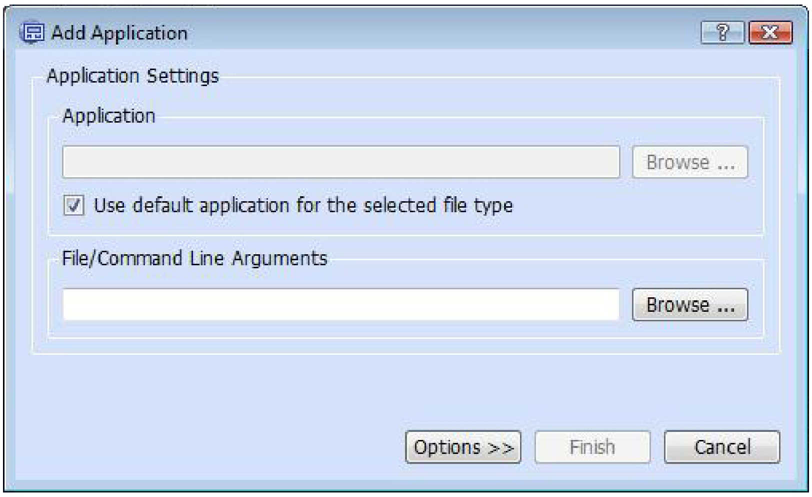
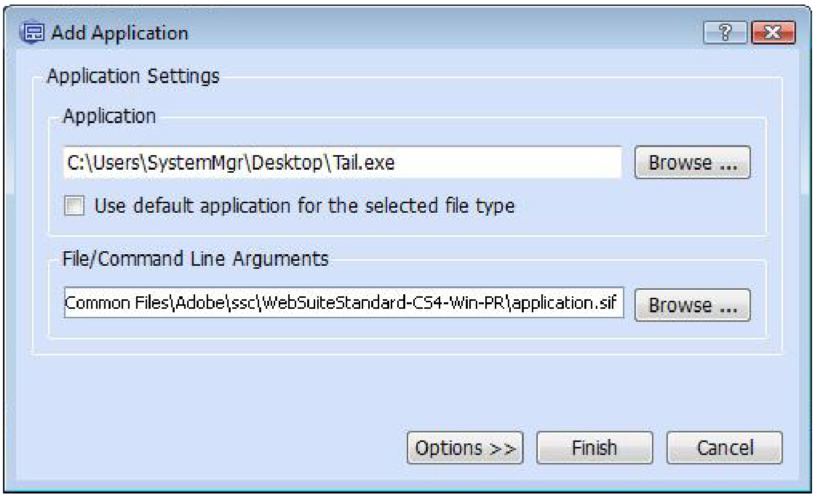

Add Application
Application Settings
Application
Browse ...
☑ Use default application for the selected file type
File/Command Line Arguments
Browse ...
Options >>
Finish
Cancel

Image 3-118
Add Application dialog

2. Check **Use default application for the selected file type** to open the specified file in its default application
3. Under **Application Settings**, click **Browse...** to open the specified file
   If the file path is not given the specified application will be launched.
4. Under **File/Command Line Arguments**, click **Browse...** to open the file to be launched


Add Application
Application Settings
Application
Browse ...
☐ Use default application for the selected file type
File/Command Line Arguments
Browse ...
Options >>
Finish
Cancel

Application: C:\Users\SystemMgr\Desktop\Tail.exe

File/Command Line Arguments: Common Files\Adobe\ssc\WebSuiteStandard-CS4-Win-PR\application.sif

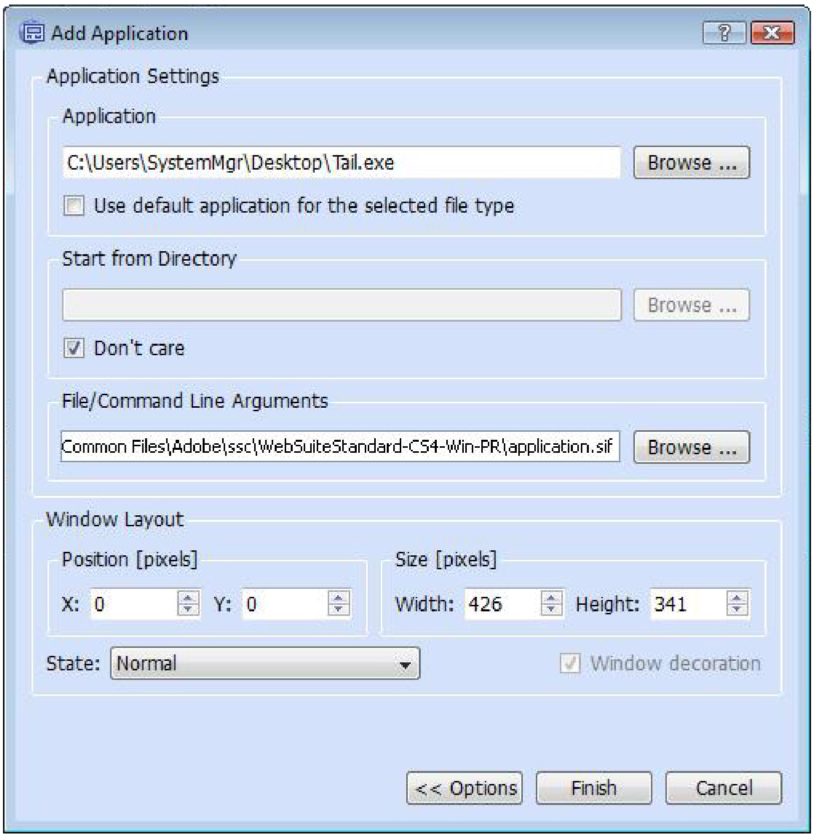
Image 3-119
Browse to open the file to be launched

5. Click **Finish** to confirm the settings

   The file will be added to the layout.

Using Advanced option

1. Click **Options>>** to set advance options



Add Application

Application Settings

Application

C:\Users\SystemMgr\Desktop\Tail.exe

☐ Use default application for the selected file type

Start from Directory

☑ Don't care

File/Command Line Arguments

Common Files\Adobe\ssc\WebSuiteStandard-CS4-Win-PR\application.sif

Window Layout

Position [pixels]

X: 0

Y: 0

Size [pixels]

Width: 426

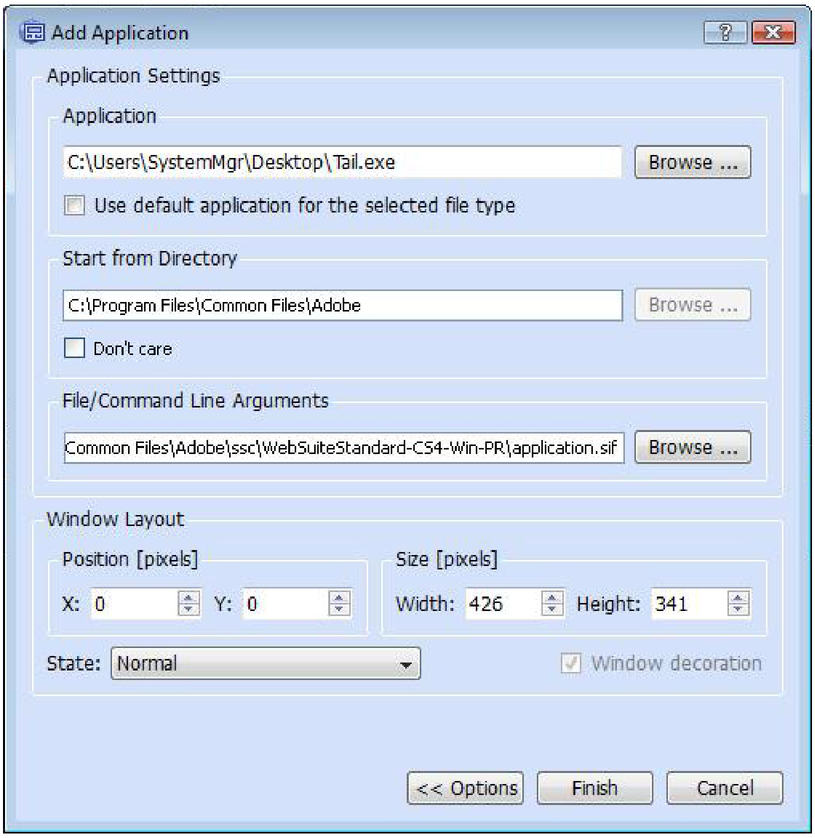
Height: 341

State: Normal

☑ Window decoration

Image 3-120
Advanced options

2. Check **Don’t care** if you do not want to specify the startup directory
3. Under **Start from Directory**, click **Browse...** to select the path of the startup directory
   This is the directory from where the specified application will take the data required for its startup.



Add Application

Application Settings

Application: C:\Users\SystemMgr\Desktop\Tail.exe

☐ Use default application for the selected file type

Start from Directory: C:\Program Files\Common Files\Adobe

☐ Don't care

File/Command Line Arguments: Common Files\Adobe\ssc\WebSuiteStandard-CS4-Win-PR\application.sif

Window Layout

Position [pixels]: X: 0 Y: 0

Size [pixels]: Width: 426 Height: 341

State: Normal

☑ Window decoration

Image 3-121
Startup directory

4. Under **Window Layout**,
   - Specify the X, Y position, which is the top-left of the application window
   - Specify the width and height of the application window
   - Select the state of the window from the drop-down list
     The options are **Normal**, **Maximized**, and **Minimized**.
5. Click **Finish** to confirm the settings

3.8.4.5 Adding a video insertion

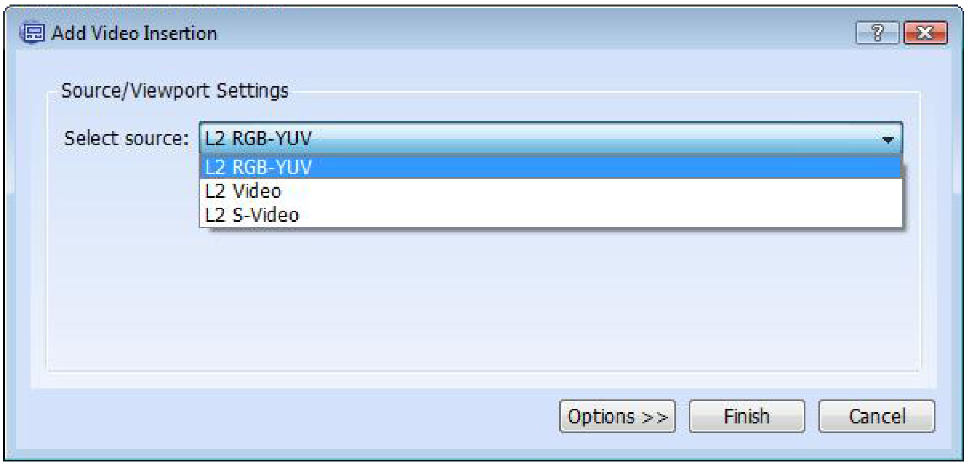
Overview

If you want to add an unopened source to a layout , use the **Add Video Insertion** button to add it to the layout.

How to add a video insertion?

1. From the **Save Layout Advanced** dialog, click **Add Video Insertion...**

The **Add Video Insertion** dialog opens.


Add Video Insertion
Source/Viewport Settings
L2 RGB-YUV
L2 Video
L2 S-Video
Options >>
Finish
Cancel

Select source: L2 RGB-YUV

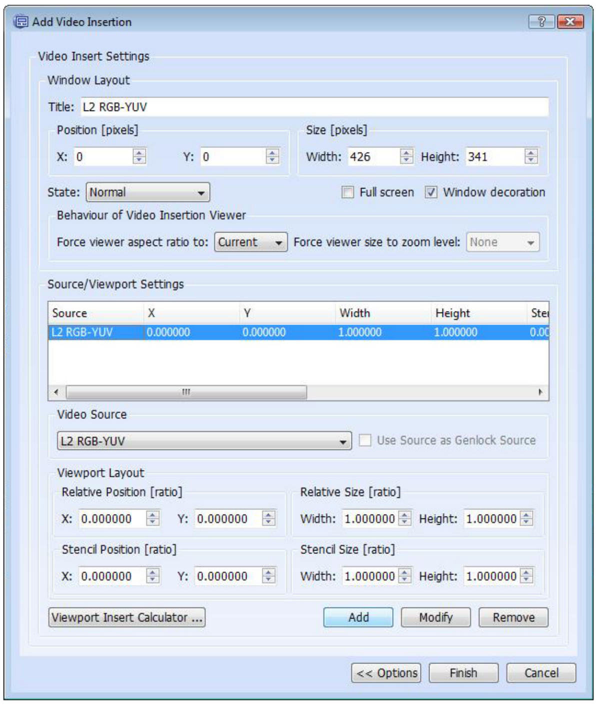
Image 3-122
Add Video Insertion

2. From the drop-down list of available video insertions, select the video insertion you want to add to the layout
3. Click **Finish** to confirm

Using Advanced options

1. From the **Add Video Insertion** dialog, click **Options>>**

   The advanced **Add Video Insertion** dialog opens.


Add Video Insertion
Video Insert Settings
Window Layout
Position [pixels]
Size [pixels]
Behaviour of Video Insertion Viewer
Source/Viewport Settings
Video Source
Viewport Layout
Relative Position [ratio]
Relative Size [ratio]
Stencil Position [ratio]
Stencil Size [ratio]
Viewport Insert Calculator ...
Add
Modify
Remove
<< Options
Finish
Cancel

Title: L2 RGB-YUV

X: 0 Y: 0 Width: 426 Height: 341

State: Normal ☐ Full screen ☑ Window decoration

Force viewer aspect ratio to: Current Force viewer size to zoom level: None

Source	X	Y	Width	Height	Ste
L2 RGB-YUV	0.000000	0.000000	1.000000	1.000000	0.00

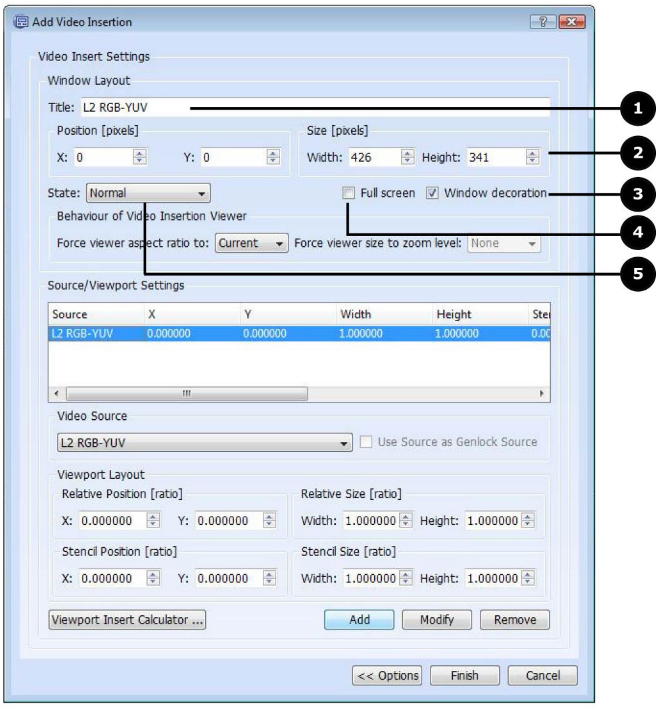
L2 RGB-YUV ☐ Use Source as Genlock Source

Relative Position: X: 0.000000 Y: 0.000000 Relative Size: Width: 1.000000 Height: 1.000000

Stencil Position: X: 0.000000 Y: 0.000000 Stencil Size: Width: 1.000000 Height: 1.000000

Image 3-123
Advanced: Add Video Insertion dialog

2. From this dialog, specify or select the value for different attributes. See the image below for more details.


Add Video Insertion
Video Insert Settings
Window Layout
Position [pixels]
Size [pixels]
Behaviour of Video Insertion Viewer
Source/Viewport Settings
Video Source
Viewport Layout
Relative Position [ratio]
Relative Size [ratio]
Stencil Position [ratio]
Stencil Size [ratio]
Viewport Insert Calculator ...
Add
Modify
Remove
<< Options
Finish
Cancel
1
2
3
4
5

Title: L2 RGB-YUV

X: 0 Y: 0 Width: 426 Height: 341

State: Normal ☐ Full screen ☑ Window decoration

Force viewer aspect ratio to: Current Force viewer size to zoom level: None

Source	X	Y	Width	Height	Ste
L2 RGB-YUV	0.000000	0.000000	1.000000	1.000000	0.0

L2 RGB-YUV ☐ Use Source as Genlock Source

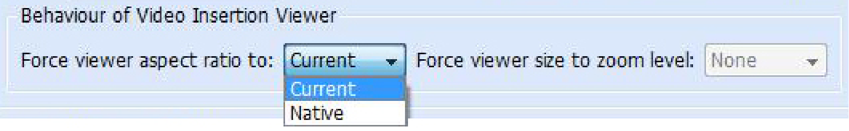
Relative Position: X: 0.000000 Y: 0.000000 Relative Size: Width: 1.000000 Height: 1.000000

Stencil Position: X: 0.000000 Y: 0.000000 Stencil Size: Width: 1.000000 Height: 1.000000

Image 3-124

1. Specify the title for video insertion
2. Provide the top-left position, width and height of the video insertion window
3. Check to enable window decoration of video insertion window
4. Check to launch the source in full screen mode
5. Select the startup state of video insertion window from Normal, maximized, and minimized

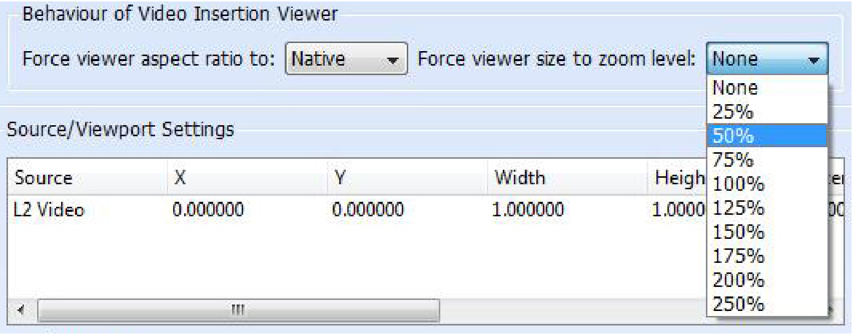
3. Under **Behavior of Video Insertion Viewer**, select the startup aspect ratio of the viewer


Behaviour of Video Insertion Viewer
Current
Native

Force viewer aspect ratio to: Current Force viewer size to zoom level: None

Image 3-125
Viewer aspect ratio

The **Current** state launches the video insertion viewer in its default ratio. The **Native** state launches the video insertion viewer in its original size. You can also select the startup zoom level of the video insertion viewer.


Behaviour of Video Insertion Viewer
Source/Viewport Settings
None
25%
50%
75%
100%
125%
150%
175%
200%
250%

Force viewer aspect ratio to: Native Force viewer size to zoom level: None

Source	X	Y	Width	Heigh
L2 Video	0.000000	0.000000	1.000000	1.0000

Image 3-126
Zoom level

4. Click **Finish** to confirm settings

3.8.4.6 Creating layouts containing Multi-viewport windows

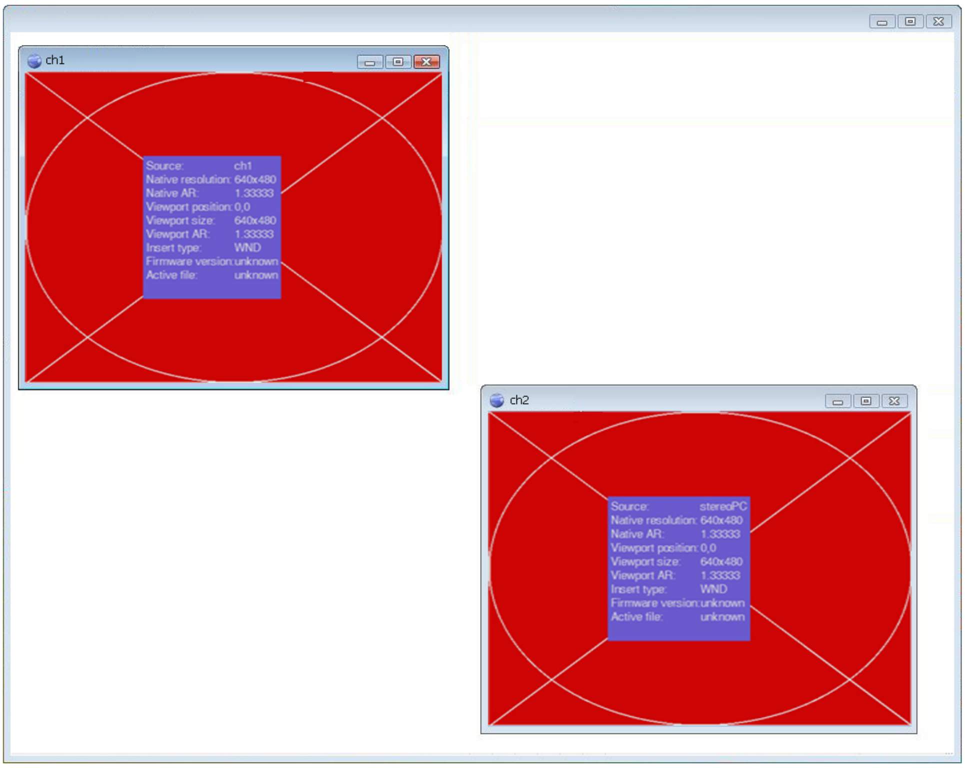
multi-view port layouts

layout containing viewer with multiple sources in one viewer window

Overview

A multi-viewport layout comprises of viewers having more than one sources in it. Any action performed on the viewer window such as move, resize, or zoom will be performed on all the sources in that viewer window.

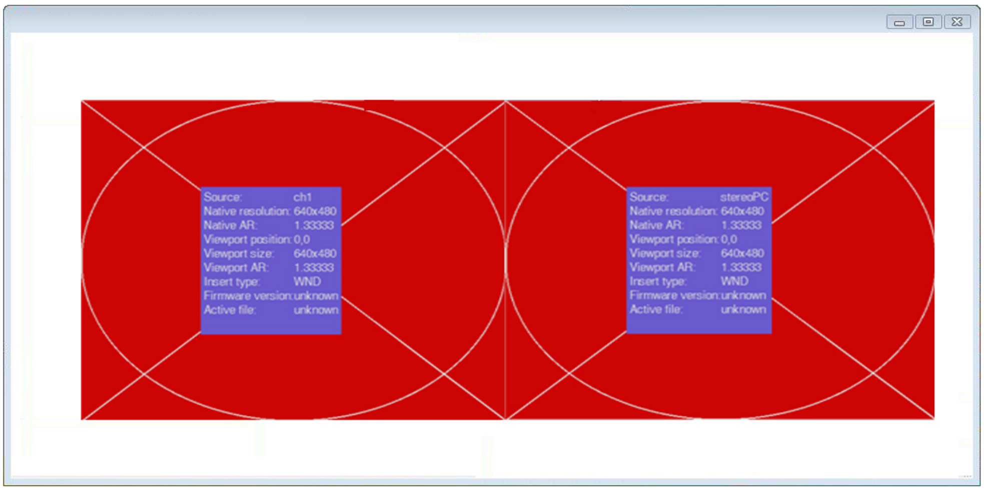
For example, consider a PC with splitter card that divide the PC output into say two parts. Now the two inputs are connected to XDS through two channels, these inputs will appear as two different sources. Now the user can make a layout having these inputs and can arrange them, such that the whole layout shows complete desktop of the connected PC. See the image below to understand multi-viewport layout.



Source: ch1
Native resolution: 640x480
Native AR: 1.33333
Viewport position: 0,0
Viewport size: 640x480
Viewport AR: 1.33333
Insert type: WND
Firmware version: unknown
Active file: unknown

Source: stereoPC
Native resolution: 640x480
Native AR: 1.33333
Viewport position: 0,0
Viewport size: 640x480
Viewport AR: 1.33333
Insert type: WND
Firmware version: unknown
Active file: unknown

Image 3-127
Single Viewport windows: Each window has one source



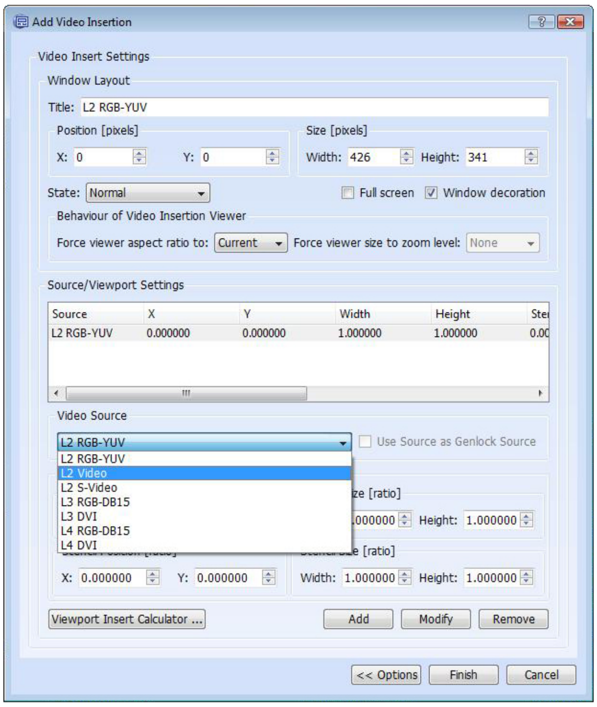
Source: ch1
Native resolution: 640x480
Native AR: 1.33333
Viewport position: 0,0
Viewport size: 640x480
Viewport AR: 1.33333
Insert type: WND
Firmware version: unknown
Active file: unknown

Source: stereoPC
Native resolution: 640x480
Native AR: 1.33333
Viewport position: 0,0
Viewport size: 640x480
Viewport AR: 1.33333
Insert type: WND
Firmware version: unknown
Active file: unknown

Image 3-128
Multi view port window: Single window has two sources in it

How to use multi-viewport layouts?

1. From the **Add Video Insertion** dialog, under the **Video Source**, select the source from the drop-down list



Add Video Insertion
Video Insert Settings
Window Layout
Behaviour of Video Insertion Viewer
Source/Viewport Settings
Video Source
Viewport Insert Calculator ...
Add
Modify
Remove
<< Options
Finish
Cancel

Title: L2 RGB-YUV
Position [pixels] X: 0 Y: 0
Size [pixels] Width: 426 Height: 341
State: Normal ☐ Full screen ☑ Window decoration
Force viewer aspect ratio to: Current Force viewer size to zoom level: None

Source	X	Y	Width	Height	Ste
L2 RGB-YUV	0.000000	0.000000	1.000000	1.000000	0.00

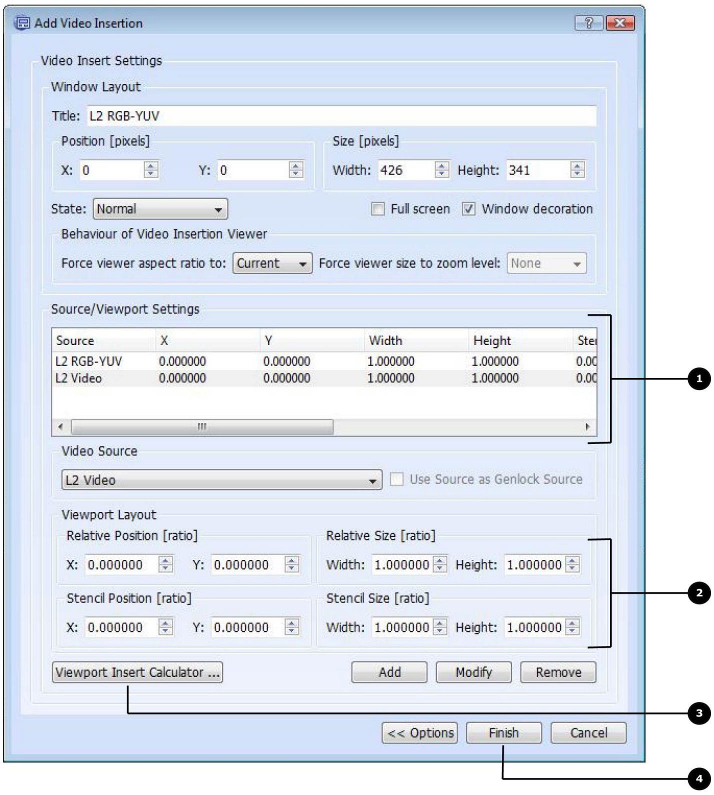
Video Source: L2 RGB-YUV ☐ Use Source as Genlock Source

- L2 RGB-YUV
- L2 Video
- L2 S-Video
- L3 RGB-DB15
- L3 DVI
- L4 RGB-DB15
- L4 DVI

X: 0.000000 Y: 0.000000 Width: 1.000000 Height: 1.000000

Image 3-129
Select the source

2. Click **Add** to add the selected source



Add Video Insertion
Video Insert Settings
Window Layout
Behaviour of Video Insertion Viewer
Source/Viewport Settings
Video Source
Viewport Layout
Relative Position [ratio]
Relative Size [ratio]
Stencil Position [ratio]
Stencil Size [ratio]
Viewport Insert Calculator ...
Add
Modify
Remove
<< Options
Finish
Cancel
1
2
3
4

Title: L2 RGB-YUV
Position [pixels] X: 0 Y: 0
Size [pixels] Width: 426 Height: 341
State: Normal ☐ Full screen ☑ Window decoration
Force viewer aspect ratio to: Current Force viewer size to zoom level: None

Source	X	Y	Width	Height	Ste
L2 RGB-YUV	0.000000	0.000000	1.000000	1.000000	0.00
L2 Video	0.000000	0.000000	1.000000	1.000000	0.00

Video Source: L2 Video ☐ Use Source as Genlock Source

Relative Position [ratio] X: 0.000000 Y: 0.000000
Relative Size [ratio] Width: 1.000000 Height: 1.000000
Stencil Position [ratio] X: 0.000000 Y: 0.000000
Stencil Size [ratio] Width: 1.000000 Height: 1.000000

Image 3-130
Add a video source

3. Select a source from **Source/Viewport Settings** list box. See **Label 1**.
4. Set selected source’s geometry namely, top-left position with respect to viewer window, width and height with respect to viewer window’s width and height (width = 1 and height = 1 is 100% of viewer windows” width and height). See **Label 2**.
5. Also set the stencil size and position. **See Label 2**.
   You can use the **Viewport Insert Calculator** to set the geometry settings. See **Label 3**. See the topic "Using Viewport Insert Calculator", page 70 for more details.
6. Click **Finish** to confirm the viewport settings. See **Label 4**.

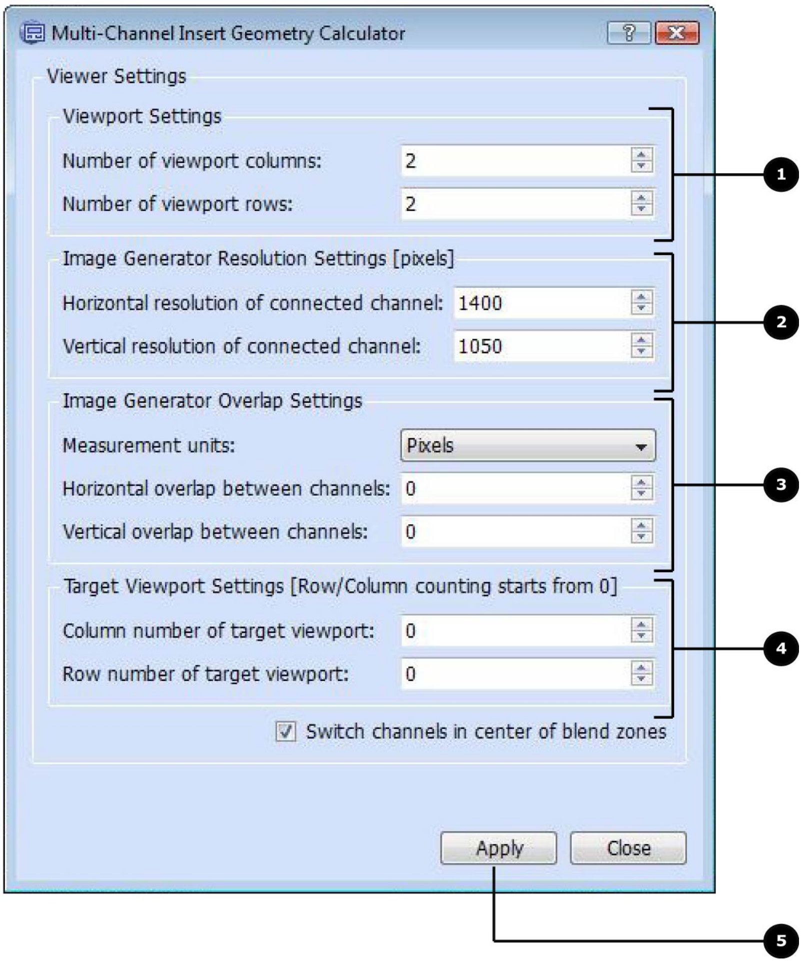
The two sources will be added to the single viewer.

3.8.4.7 Using Viewport Insert Calculator

How to use the Viewport Insert Calculator?

1. From the **Add Video Insertion** dialog, click **Viewport Insert Calculator...**

   The **Multi-channel Insert Geometry Calculator** dialog opens.



Viewer Settings

Viewport Settings

Number of viewport columns: 2

Number of viewport rows: 2

Image Generator Resolution Settings [pixels]

Horizontal resolution of connected channel: 1400

Vertical resolution of connected channel: 1050

Image Generator Overlap Settings

Measurement units: Pixels

Horizontal overlap between channels: 0

Vertical overlap between channels: 0

Target Viewport Settings [Row/Column counting starts from 0]

Column number of target viewport: 0

Row number of target viewport: 0

☑ Switch channels in center of blend zones

Image 3-131
Multi-channel Insert Geometry Calculator

2. Specify the row and column count of the viewports in the viewer window. See **Label 1**.
3. Specify the resolution settings of the viewport. See **Label 2**.
4. Specify the overlap settings of the viewport. See **Label 3**.
5. Provide the viewport number (row, column), in which the selected source (source selected from **Source/Viewport settings** list box) will fit. See **Label 4**.
6. Click **Apply** to apply the settings to the selected source. See **Label 5**.
7. Click **Close** to close the dialog

3.8.5 Launching a layout

Overview

- Launching a layout from different levels of view
- Launching two layouts on top of each other
- Using the navigation buttons

3.8.5.1 Launching a layout from different levels of view

How to launch a layout from minimal/compact view?

1. In **minimal/compact** view, click the name of the layout from the **Launch Layout** drop-down list.

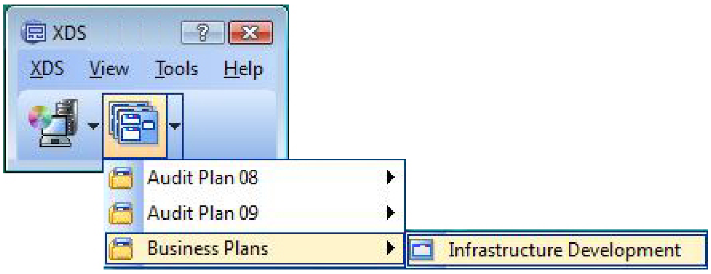

XDS
XDS View Tools Help
Audit Plan 08
Audit Plan 09
Business Plans
Infrastructure Development

Image 3-132
Launching a layout from minimal view

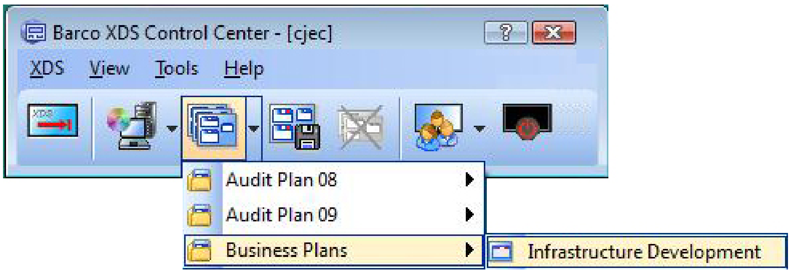

Barco XDS Control Center - [cjec]
XDS View Tools Help
Audit Plan 08
Audit Plan 09
Business Plans
Infrastructure Development

Image 3-133
Launching a layout from compact view

2. You can also launch the same layout from the **Start** menu. See image 3-109. Click the name of the layout to launch it.

How to launch a layout from the expert view?

1. In **expert** view, select the name of the presentation under which you have saved the layout

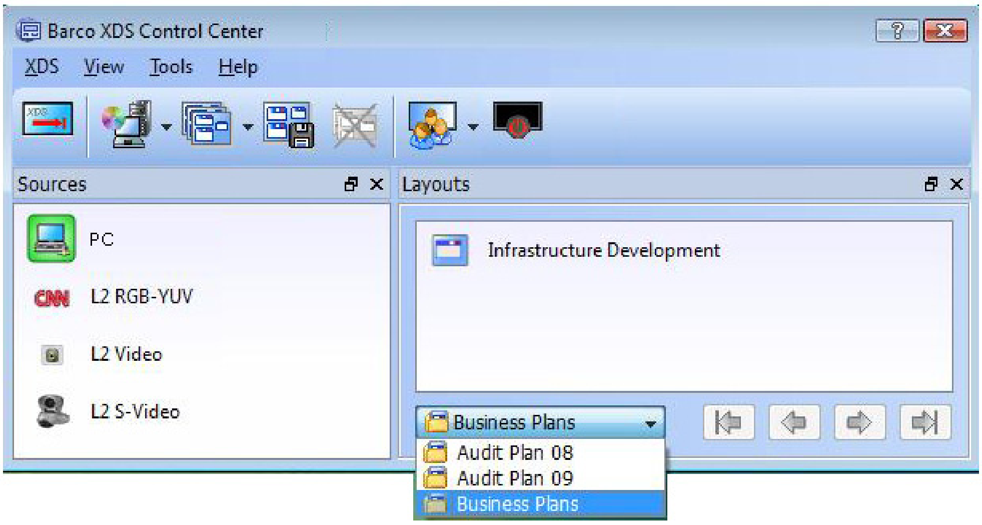

Barco XDS Control Center
XDS View Tools Help
Sources
PC
L2 RGB-YUV
L2 Video
L2 S-Video
Layouts
Infrastructure Development
Business Plans
Audit Plan 08
Audit Plan 09
Business Plans

Image 3-134
Launching a layout from expert view

The layout saved under that particular presentation will be displayed in the layout widget.

2. Now double-click the name of the layout you want to launch
3. You can also launch the layout by using the right-click option
   a) Right-click on the name of the layout to open the context menu
   b) Click **Launch**

3.8.5.2 Launching two layouts on top of each other

How to launch two layouts on top of each other?

After saving a layout, you will find the name of the saved layouts appear on the layout widget; in the drop-down list of **Launch Layout** from toolbar; and also in the **Start** menu.

From the image 3-135 below, let us consider that, you have created the layout **Infrastructure Development** with the following sources:

- PC
- L2 Video

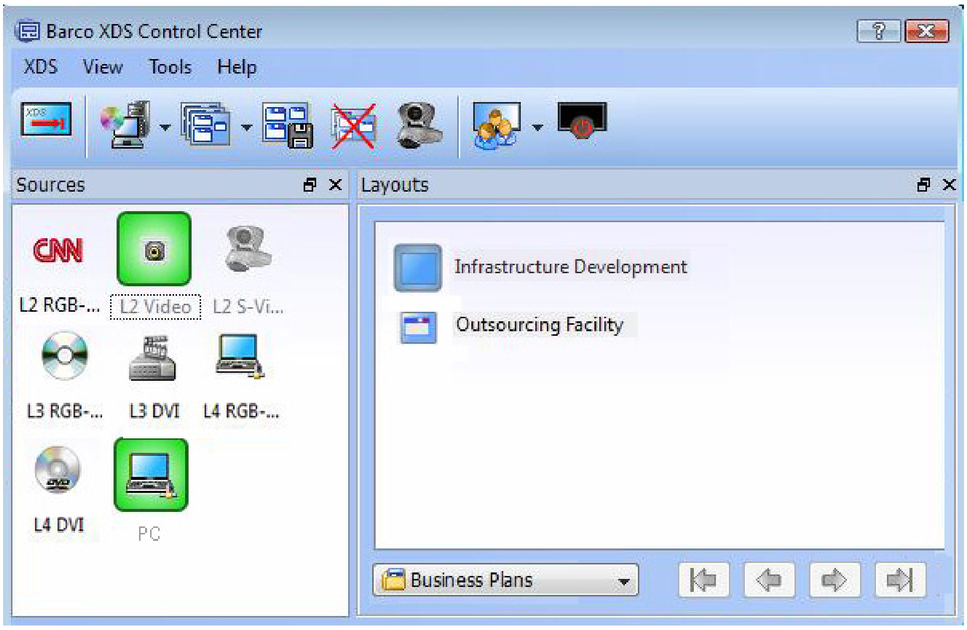

Barco XDS Control Center
XDS
View
Tools
Help
Sources
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
PC
Layouts
Infrastructure Development
Outsourcing Facility
Business Plans

Image 3-135

From the image 3-136 below, let us consider that, you have created another layout **Outsourcing Facility** with the following sources:

- L3 DVI
- L4 DVI

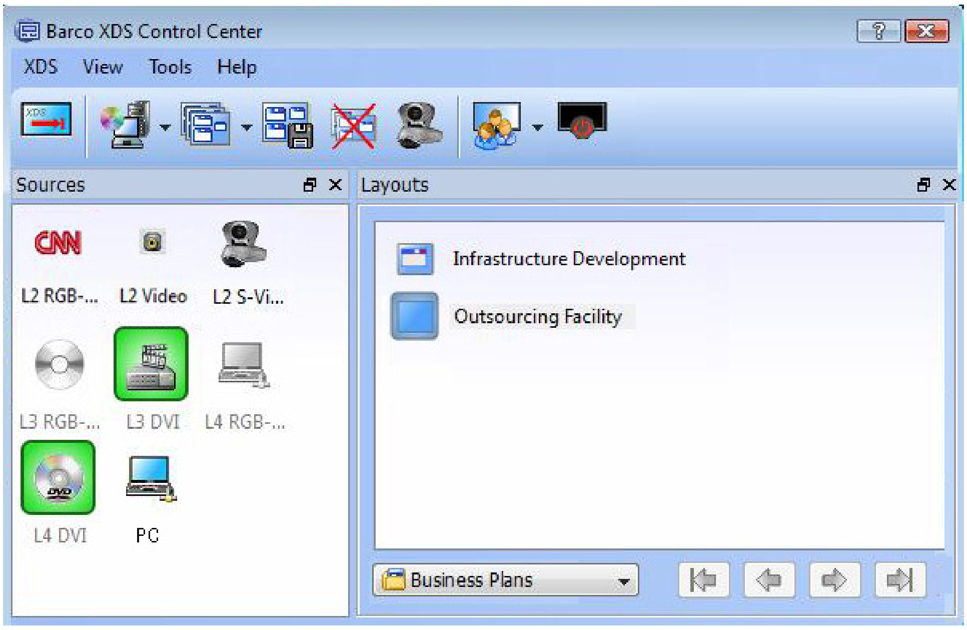

Barco XDS Control Center
XDS
View
Tools
Help
Sources
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
PC
Layouts
Infrastructure Development
Outsourcing Facility
Business Plans

Image 3-136

Now when you right-click to launch each of the layouts, you will find an option **Launch (keep current windows)** while opening a second layout.

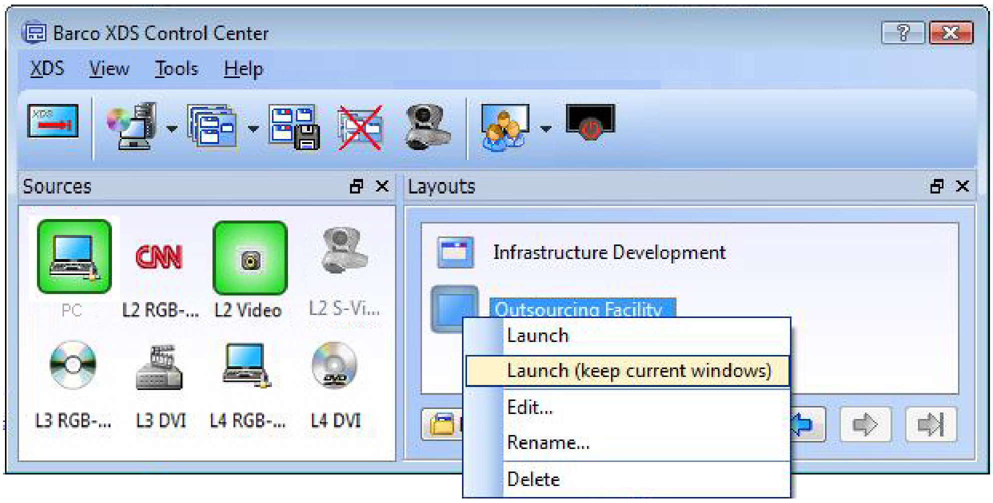

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
PC
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Infrastructure Development
Outsourcing Facility
Launch
Launch (keep current windows)
Edit...
Rename...
Delete

Image 3-137
Launch two layouts at the same time

When you select this option the layout that is already launched will remain displayed on the screen, and the selected layout will be launched. Since the two layouts use different sources, both the layouts can be launched at the same time. But if one of the same sources is used in both the layouts, then both the layouts cannot be launched at the same time.

But if you click the option **Launch**, then the sources which as currently displayed on-screen will be closed automatically and the selected layout will be launched.

3.8.5.3 Using the navigation buttons

How to use the navigation buttons?

1. Click ⇤ to launch the first layout in the presentation
2. Click ⇦ to launch the layout just before the selected layout within that presentation
3. Click ⇨ to launch the layout just next to the selected layout within that presentation
4. Click ⇥ to launch the last layout in the presentation

3.8.6 Managing Layouts

3.8.6.1 Introduction to layout manager

Overview

By using XDS software's **Layout Manager** dialog, you can handle multiple presentations and layouts. The layout manager enables you to:

- Add a presentation
- Rename a presentation
- Move a layout to another presentation
- Move a layout up/down within the presentation
- Copy a layout to another presentation
- Provide a description for a layout
- Make a layout shared among all users (public layouts)
- Delete a presentation

First, let us see how to open the layout manager. The following topic will guide you how to open the layout manager.

3.8.6.2 Opening the layout manager

How to open the layout manager?

1. After creating and saving the layouts and presentations, click the *Tools* menu
2. Click *Layout Manager...*

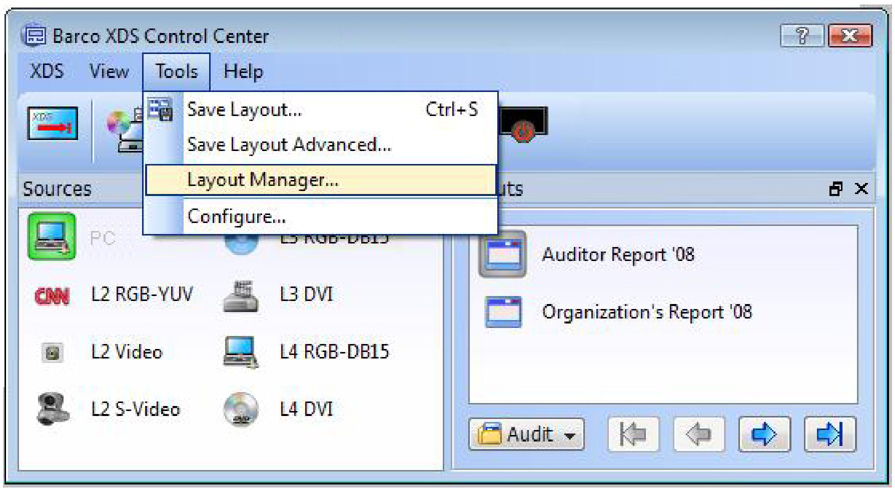
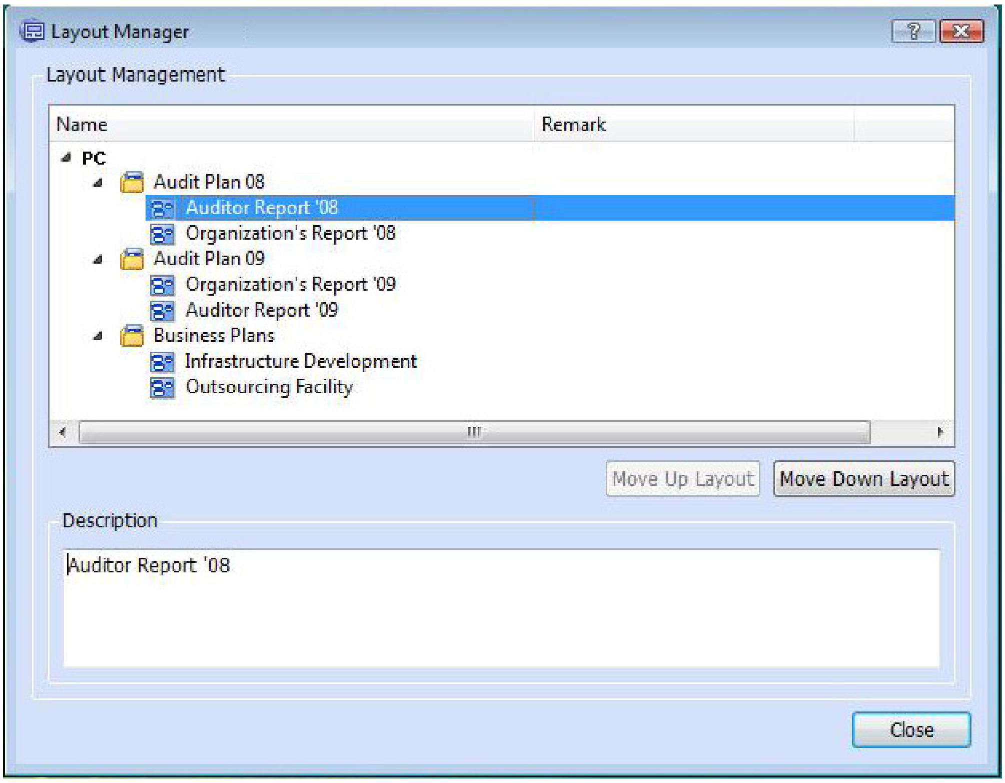

Barco XDS Control Center
XDS
View
Tools
Help
Save Layout... Ctrl+S
Save Layout Advanced...
Layout Manager...
Configure...
Sources
PC
L2 RGB-YUV
L2 Video
L2 S-Video
L3 RGB-DB15
L3 DVI
L4 RGB-DB15
L4 DVI
Auditor Report '08
Organization's Report '08
Audit

Image 3-138
Opening the layout manager

The **Layout Manager** dialog will open. You will see the list of presentations and layouts that you have created.


Layout Manager
Layout Management
Name
Remark
PC
Audit Plan 08
Auditor Report '08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout
Description
Close

Auditor Report '08

Image 3-139
Layout manager dialog

If User Management is enabled during installation, the layouts and presentations that you have created will not be visible for another session user. If User Management is disabled during installation, the layouts that you have created will be visible to every user who logs in to your XDS system.

3.8.6.3 Adding a presentation

How to add a presentation?

1. From the **Layout Manager** dialog, right-click on the name of the session user

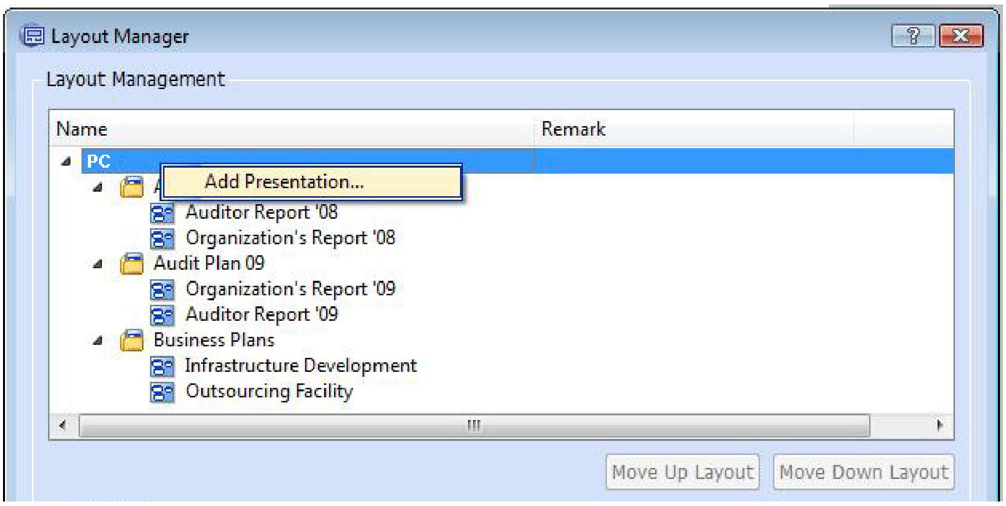
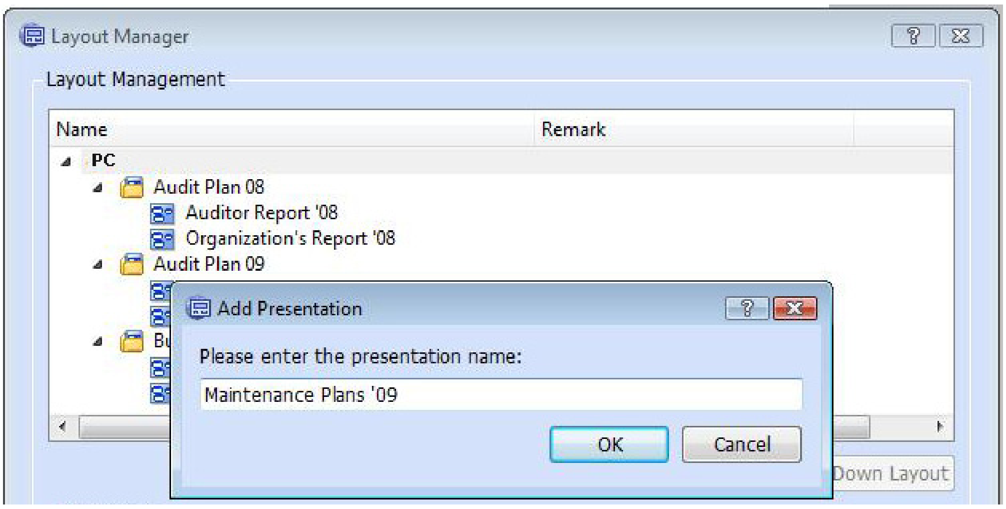

Layout Manager
Layout Management
Name
Remark
PC
Add Presentation...
Auditor Report '08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout

Image 3-140
Click the Add Presentation... option

2. Click *Add Presentation...*

   The **Add Presentation** dialog box opens


Layout Manager
Layout Management
Name
Remark
PC
Audit Plan 08
Auditor Report '08
Organization's Report '08
Audit Plan 09
Add Presentation
OK
Cancel
Down Layout

Please enter the presentation name:

Maintenance Plans '09

Image 3-141
Enter a new name for presentation

3. Enter a new name for presentation
   For example, we have entered the presentation name as **Maintenance Plans '09**.

4. Click **OK**

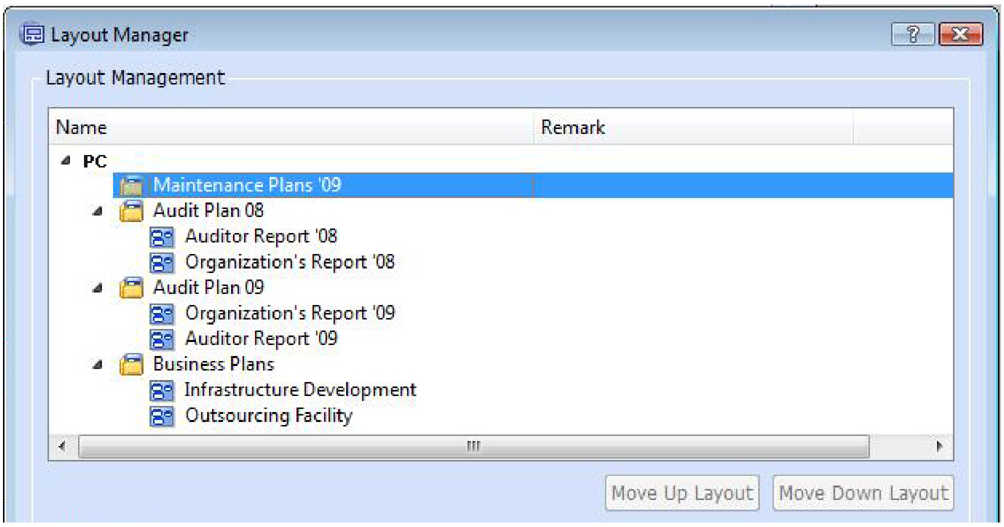

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan 08
Auditor Report '08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout

Image 3-142
The Layout manager dialog displaying the new presentation

The new presentation will be created.

3.8.6.4 Renaming a presentation

How to rename a presentation?

1. Right-click on the name of the presentation you want to rename
2. Click *Rename...*

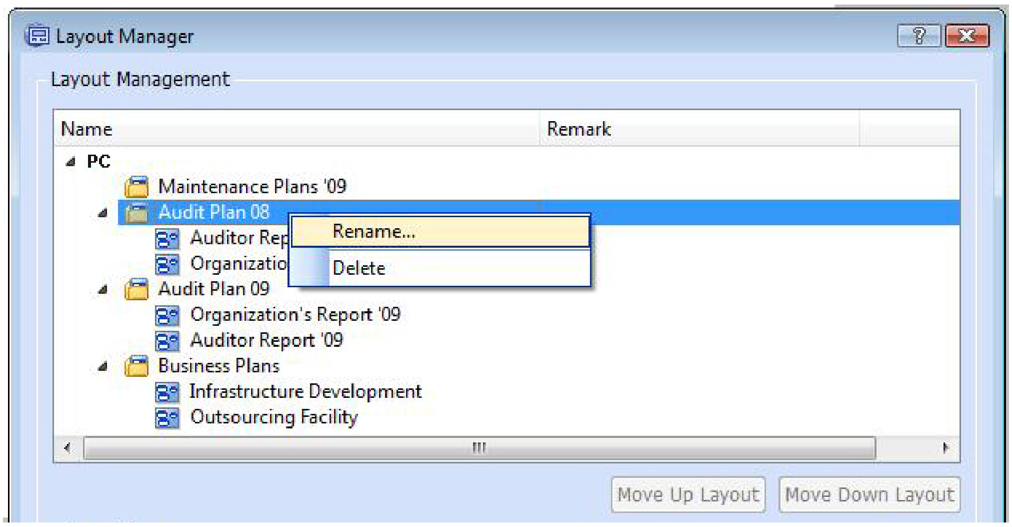

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan 08
Auditor Rep
Organizatio
Rename...
Delete
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout

Image 3-143
Click the option Rename...

The **Rename** dialog box opens.

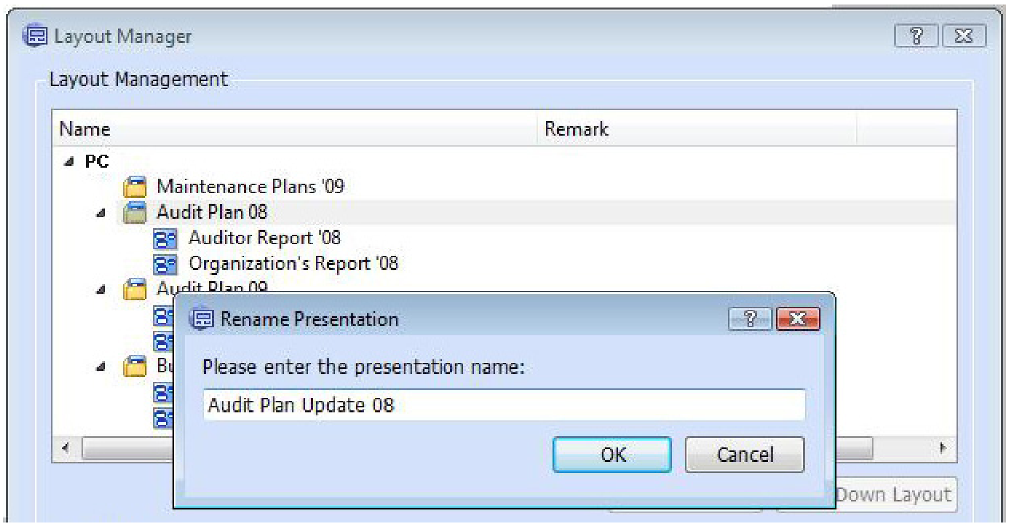

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan 08
Auditor Report '08
Organization's Report '08
Audit Plan 09
Bu
Rename Presentation
Please enter the presentation name:
Audit Plan Update 08
OK
Cancel
Down Layout

Image 3-144
Enter the new name for presentation

3. Enter the new name for the presentation
   For example, we want to rename **Audit Plan ’08** as **Audit Plan Update ’08**
4. Click **OK**

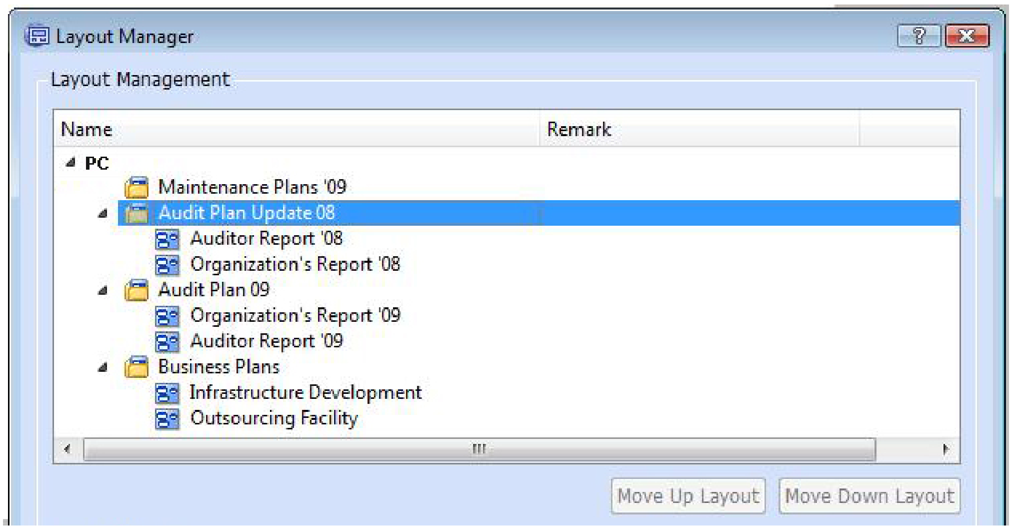

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan Update 08
Auditor Report '08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout

Image 3-145
The Layout manager dialog displaying the new name of the presentation

The old name will be replaced by the new name.

3.8.6.5 Moving a layout to another presentation

How to move a layout to another presentation?

1. Select the layout you want to move
   Let us consider, you want to move the layout **Auditor Report ’08** to the presentation **Audit Plan 09**.

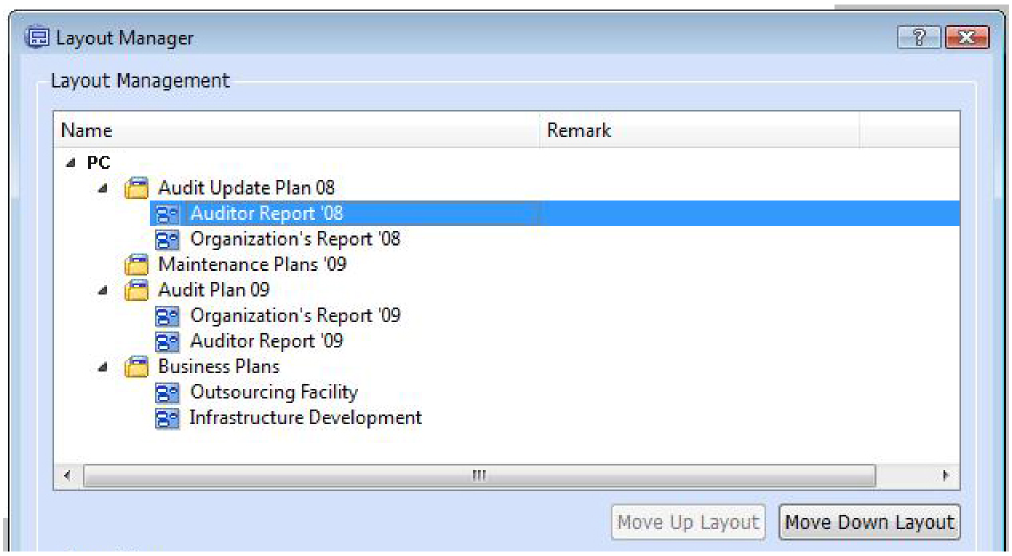

Layout Manager
Layout Management
Name
Remark
PC
Audit Update Plan 08
Auditor Report '08
Organization's Report '08
Maintenance Plans '09
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout

Image 3-146
Select the layout that you want to move

2. Now **Drag** the layout and **Drop** it on the name of another presentation

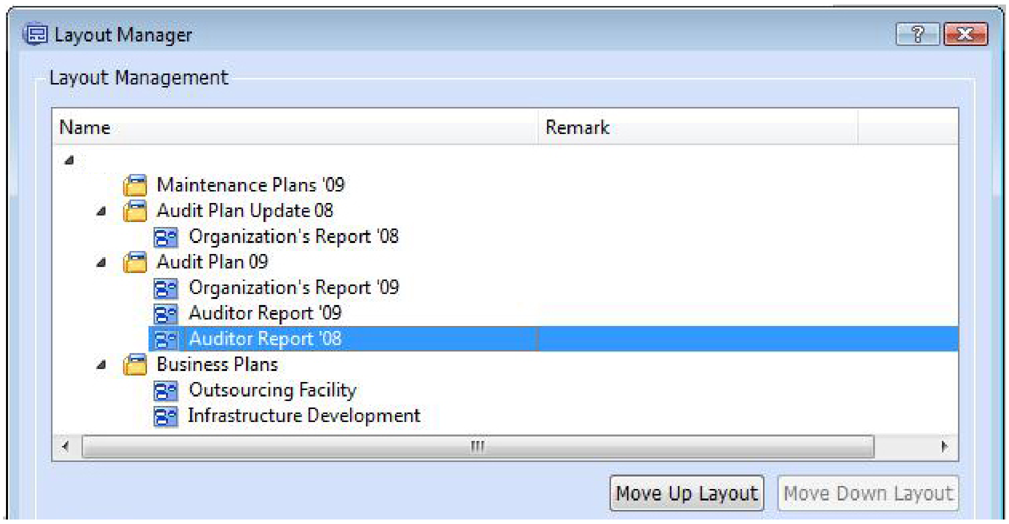

Layout Manager
Layout Management
Name
Remark
Maintenance Plans '09
Audit Plan Update 08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Auditor Report '08
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout

Image 3-147
Drag and Drop the layout to another presentation

The layout **Auditor Report '08** is now moved to the presentation **Audit Plan 09**. It is no longer available under the presentation **Audit Plan Update 08**.

3.8.6.6 Moving a layout up/down within the presentation

How to move a layout up/down within the presentation?

1. Select the layout you want to move

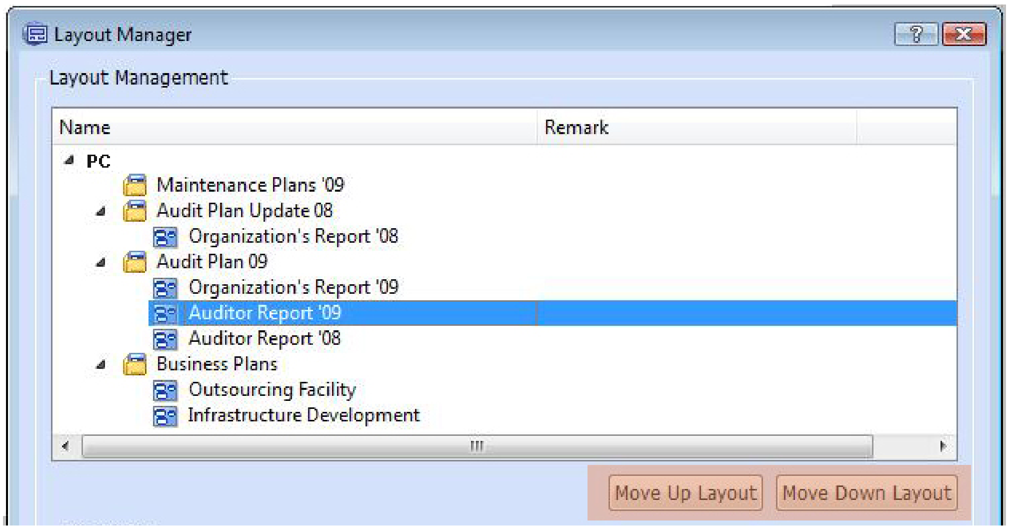

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan Update 08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Auditor Report '08
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout

Image 3-148
Move a layout within presentation

2. Click the navigation button **Move Up Layout** to move the layout one level up within a presentation
3. Click the navigation button **Move Down Layout** to move the layout one level down within a presentation

3.8.6.7 Copying a layout to another presentation

How to copy a layout to another presentation?

1. Click the name of the layout you want to copy
   For example, let us consider you want to copy the layout, **Outsourcing Facility** to the presentation **Audit Plan 09**

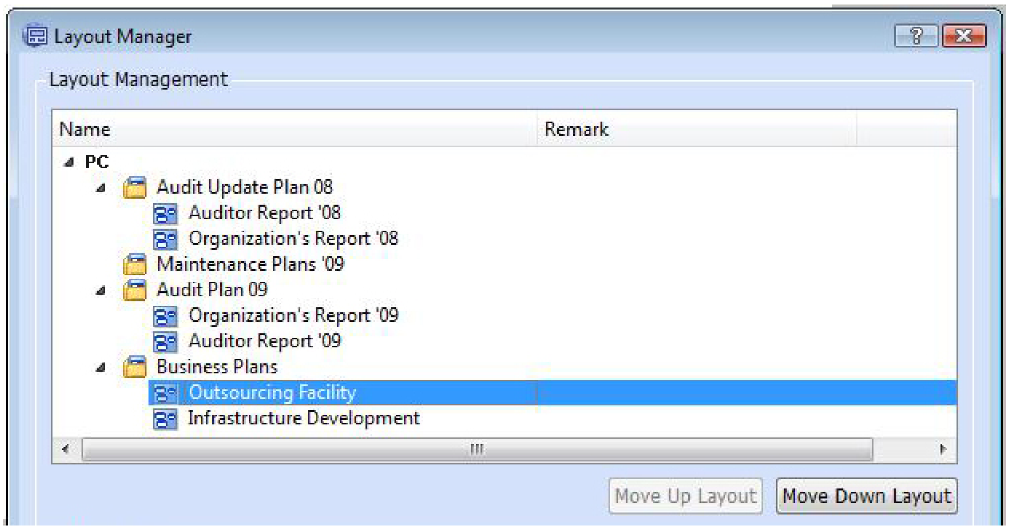

Layout Manager
Layout Management
Name
Remark
PC
Audit Update Plan 08
Auditor Report '08
Organization's Report '08
Maintenance Plans '09
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout

Image 3-149
Select the presentation you want to copy

2. Now keep pressing **CTRL** and **Drag** the selected layout and **Drop** it on the name of the presentation

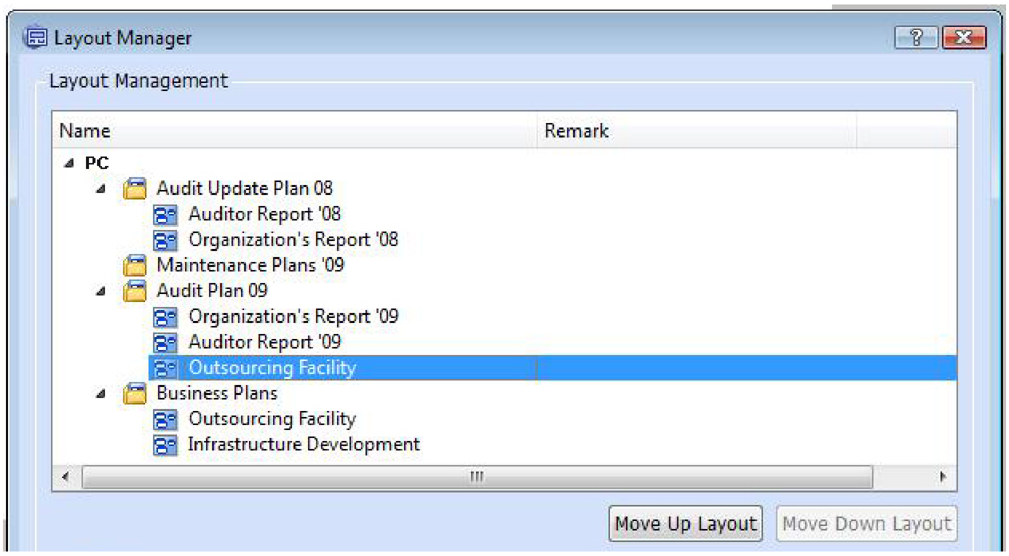

Layout Manager
Layout Management
Name
Remark
PC
Audit Update Plan 08
Auditor Report '08
Organization's Report '08
Maintenance Plans '09
Audit Plan 09
Organization's Report '09
Auditor Report '09
Outsourcing Facility
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout

Image 3-150
Drop the layout on the presentation

You will find that the layout **Outsourcing Facility** has been copied to **Audit Plan 09** presentation.

3.8.6.8 Providing description for layouts

The description you provide for a layout will appear as a tool-tip when you move the mouse pointer over the layout icon in the XDS Control Center.

How to provide description for a layout?

By default, every layout takes its original name as description. If you want to change it to a different description, then follow the steps below.

1. Click the name of the layout
2. On the **Description** text field in the bottom of the dialog, enter the required description

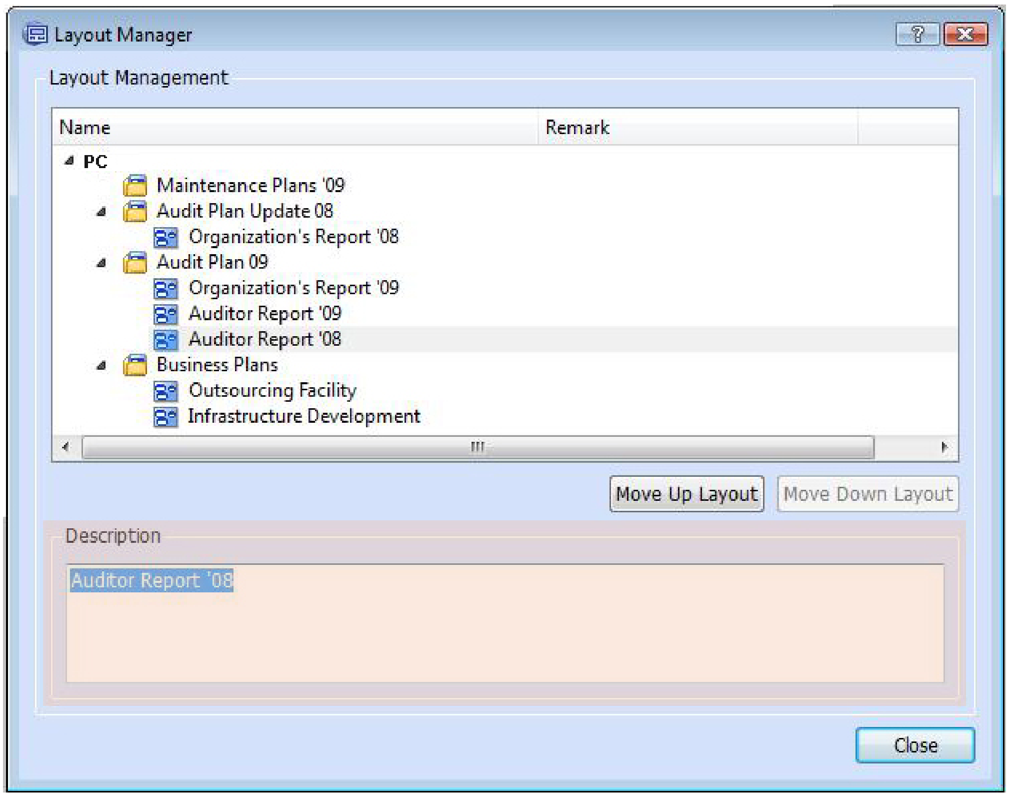

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '09
Audit Plan Update 08
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Auditor Report '08
Business Plans
Outsourcing Facility
Infrastructure Development
Move Up Layout
Move Down Layout
Description
Auditor Report '08
Close

Image 3-151
Specify the description for a layout

The next time you click on the layout, the new description will be displayed in the **Description** text field.

3.8.6.9 Making a layout shared among all users (public layouts)

How to make a layout shared among all users (public layouts)?

This option will let you share the layout with other users of XDS sessions.

1. Right-click on the name of the layout you want to share

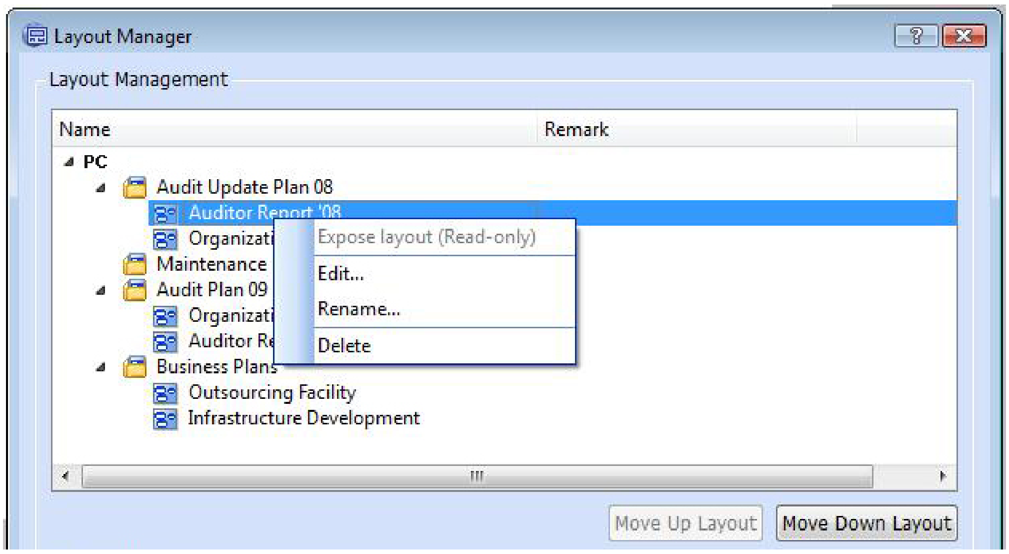

Layout Manager
Layout Management
Name
Remark
PC
Audit Update Plan 08
Auditor Report '08
Organizati
Maintenance
Audit Plan 09
Organizati
Auditor Re
Business Plans
Outsourcing Facility
Infrastructure Development
Expose layout (Read-only)
Edit...
Rename...
Delete
Move Up Layout
Move Down Layout

Image 3-152
Click the option *Expose layout (Read-only)*

2. Click *Expose layout (Read-only)*
   Note: *This option can only be set by the administrator. For normal session users this option is disabled. When enabled, all users can view the layout but cannot make any edits to it.*

If User Management is disabled during installation, then

a) From XDS Control Center GUI, open **Help** menu

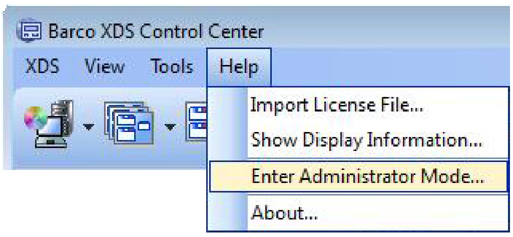

Barco XDS Control Center
XDS
View
Tools
Help
Import License File...
Show Display Information...
Enter Administrator Mode...
About...

Image 3-153
Enter Administrator mode

b) Click *Enter Administrator Mode...*

c) Make the required changes

d) Click *Leave Administrator Mode* to use the default session

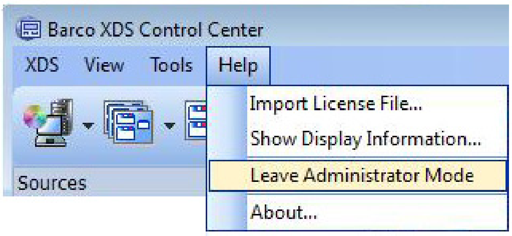

Barco XDS Control Center
XDS
View
Tools
Help
Import License File...
Show Display Information...
Leave Administrator Mode
About...
Sources

Image 3-154
Leave Administrator mode

If User Management is enabled during installation, and you are a session user, then

a) Close the XDS session or logout

b) Open the session or re-login with administrator credentials

c) Make the required changes

3.8.6.10 Deleting a presentation

How to delete a presentation?

1. Right-click on the name of the presentation you want to delete
2. Click *Delete*
   For example, we want to delete the presentation **Maintenance Plans '09**
   Note: *When you click Delete, all the layouts saved under this presentation will also be deleted.*

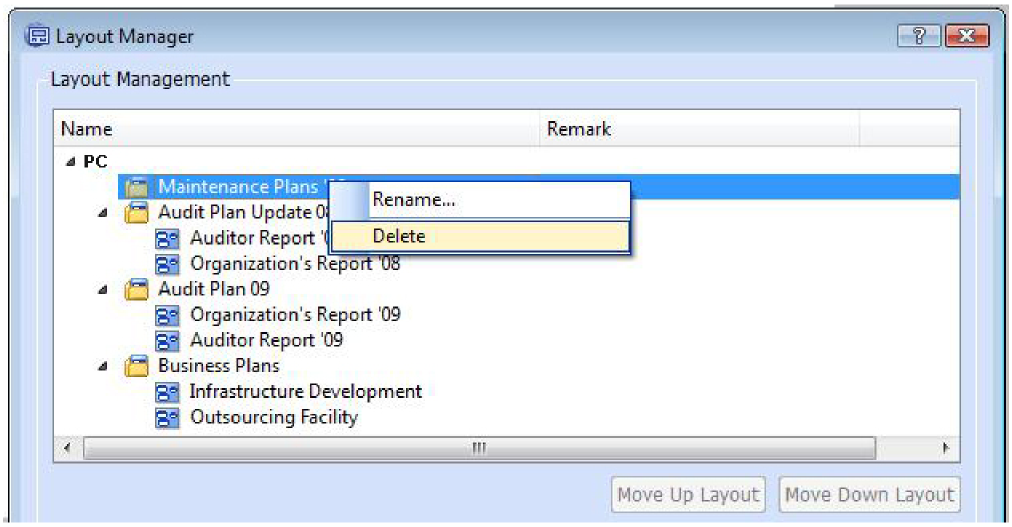
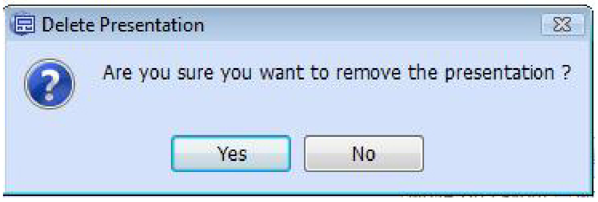

Layout Manager
Layout Management
Name
Remark
PC
Maintenance Plans '
Rename...
Delete
Audit Plan Update 0
Auditor Report '
Organization's Report '08
Audit Plan 09
Organization's Report '09
Auditor Report '09
Business Plans
Infrastructure Development
Outsourcing Facility
Move Up Layout
Move Down Layout

Image 3-155
Click the option *Delete*

A confirmation dialog box opens.


Delete Presentation

Are you sure you want to remove the presentation ?

Image 3-156
Confirmation dialog to delete a presentation

3. Click **Yes** to confirm

3.9 Using the video conference control

Overview

- Overview
- Launching the video conference control
- Using the Dialing feature
- Adding a contact during a call
- Removing a contact during a call
- Arranging the names in alphabetical order
- Controlling camera
- Controlling the Microphone
- Mute the microphone
- Toggling the layout
- Wake-up the video conference device
- Hiding the Video conference device widget
- Advanced features

3.9.1 Overview

About video conference control

Currently, XDS software supports Tandberg's MXP6000, MXP3000, Edge 85/95, and C60/C90 Video Conference devices.

The XDS software easily integrates with the video conference device and enables you to control it. You have to configure the video conference device manager to start using the controls. After configuring you will be able to perform the functions available in the video conference device through the XDS Control Center application, such as dial a contact, control the camera, adjust the speaker volume, and control the microphone.

To control the video conference device: After configuring, you need to launch the video conference device. See the topic below to launch the control.

3.9.2 Launching the video conference control

How to launch the video conference control?

1. After configuring the video conference device manager, the video conference icon will appear on the toolbar. Find the video conference icon on the toolbar
2. Click the **Show Video Conference Controls** icon

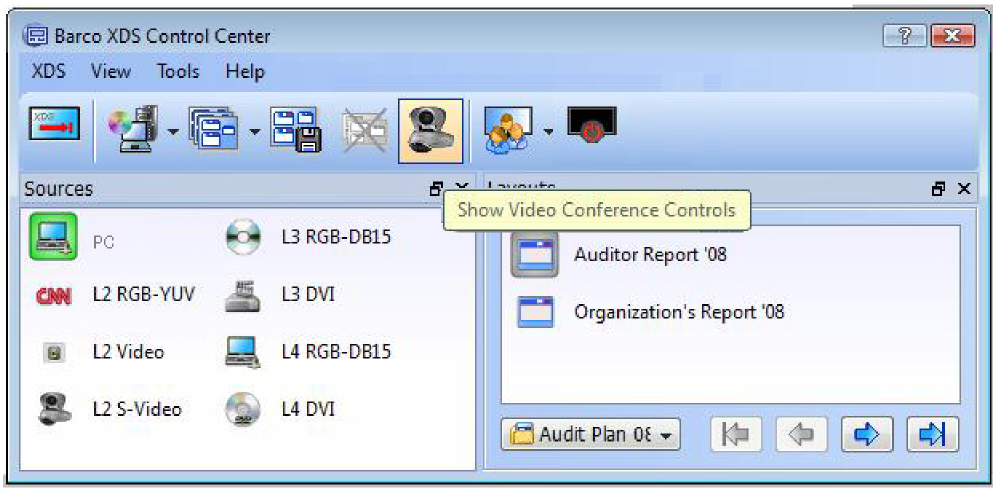
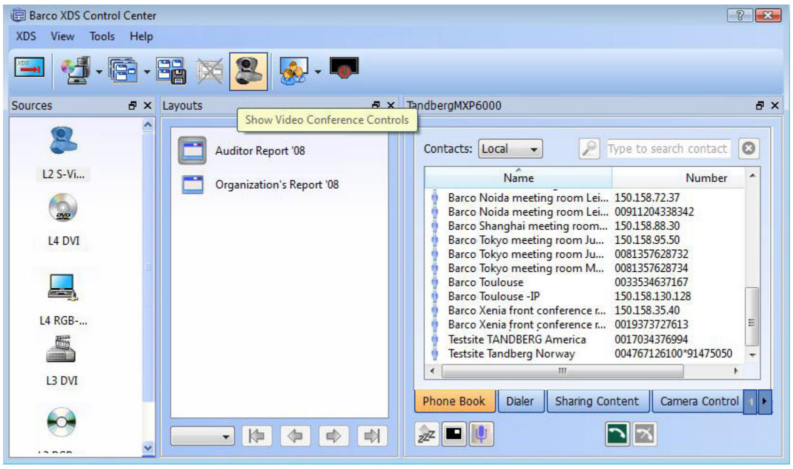

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
Show Video Conference Controls
PC
L3 RGB-DB15
L2 RGB-YUV
L3 DVI
L2 Video
L4 RGB-DB15
L2 S-Video
L4 DVI
Auditor Report '08
Organization's Report '08
Audit Plan 08

Image 3-157

The video conference controls will appear.


Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
TandbergMXP6000
Show Video Conference Controls
L2 S-Vi...
L4 DVI
L4 RGB-...
L3 DVI
Auditor Report '08
Organization's Report '08
Type to search contact
Phone Book
Dialer
Sharing Content
Camera Control

Contacts: Local

Name	Number
Barco Noida meeting room Lei...	150.158.72.37
Barco Noida meeting room Lei...	00911204338342
Barco Shanghai meeting room...	150.158.88.30
Barco Tokyo meeting room Ju...	150.158.95.50
Barco Tokyo meeting room Ju...	0081357628732
Barco Tokyo meeting room M...	0081357628734
Barco Toulouse	0033534637167
Barco Toulouse -IP	150.158.130.128
Barco Xenia front conference r...	150.158.35.40
Barco Xenia front conference r...	0019373727613
Testsite TANDBERG America	0017034376994
Testsite Tandberg Norway	004767126100*91475050

Image 3-158
Video conference controls view

3.9.3 Using the Dialing feature

Overview

The dialing feature enables you to dial a contact manually or from a phone book.

Dialing a contact manually

1. From the **Video Conf Device** widget, click **Dialer** button. See *Label 1*.

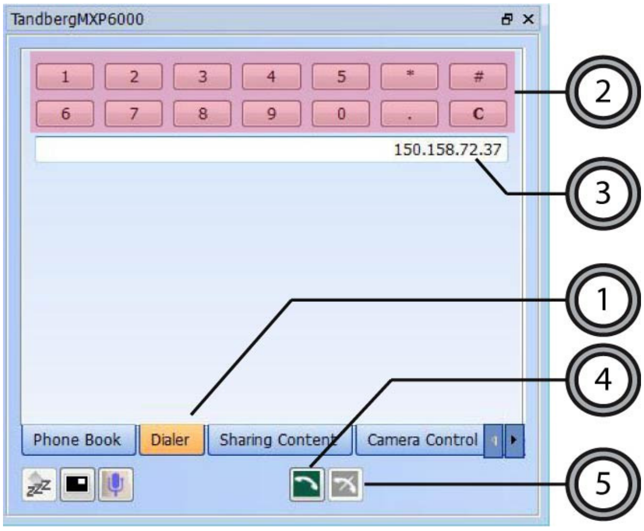

TandbergMXP6000
1
2
3
4
5
*
#
6
7
8
9
0
.
C
150.158.72.37
Phone Book
Dialer
Sharing Content
Camera Control
2
3
1
4
5

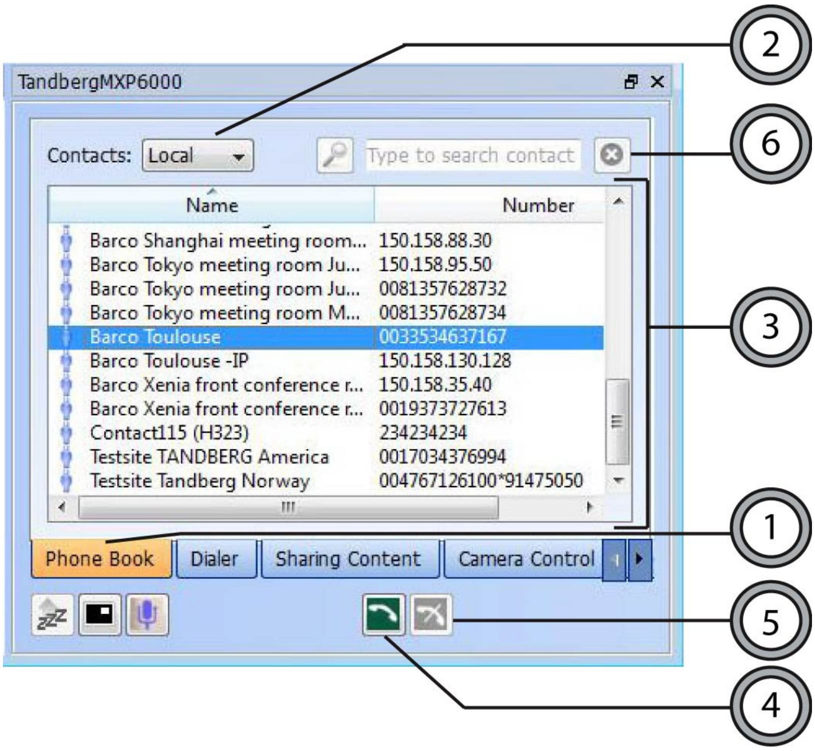
Image 3-159
Using the dialer

A keypad appears. See *Label 2*. Use it to enter an ISDN phone number or an IP address to establish a call. The entered digits appear in the text field below the keypad.

2. Verify the phone number/IP address you have entered from the text field. See *Label 3*.
3. Click the green button on the bottom to establish the call. See *Label 4*.
   When a call is in progress, the red button to end a call is enabled. See *Label 5*.

Dialing a contact via phone book

1. From the **Video Conf Device** widget, click **Phone Book** tab. See *Label 1*.


TandbergMXP6000
Contacts:
Local
Type to search contact
Phone Book
Dialer
Sharing Content
Camera Control
2
6
3
1
5
4

Name	Number
Barco Shanghai meeting room...	150.158.88.30
Barco Tokyo meeting room Ju...	150.158.95.50
Barco Tokyo meeting room Ju...	0081357628732
Barco Tokyo meeting room M...	0081357628734
Barco Toulouse	0033534637167
Barco Toulouse -IP	150.158.130.128
Barco Xenia front conference r...	150.158.35.40
Barco Xenia front conference r...	0019373727613
Contact115 (H323)	234234234
Testsite TANDBERG America	0017034376994
Testsite Tandberg Norway	004767126100*91475050

Image 3-160

2. Select the category from the **Contacts** drop-down list, where the required contact numbers are stored. See *Label 2*.

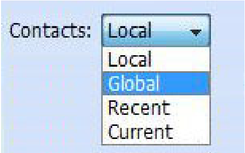

Contacts:
Local
Local
Global
Recent
Current

Image 3-161
Select the category

3. Select a name from the list of contacts that are available. See *Label 3*.
4. Click the green button on the bottom of the widget to establish a call. See *Label 4*.
   When a call is in progress, the red button to end a call is enabled. See *Label 5*.
   Note: *You can also double click on the name to start a call.*
5. To search for a particular contact: See *Label 6*.
   a) In the **Search** text field, enter the name of the contact

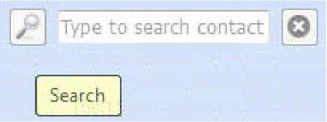


Image 3-162
Search a contact

   b) Then click the **Search** button
   This will identify and list the contacts that match the specified name in the selected group.

   c) To close the search section, click the **Close** button

3.9.4 Adding a contact during a call

How to add a contact during a call?

You can add and call additional contacts while a call is in progress. After Dialing a contact, you will find a '+' sign appear on the green **Call** button .

1. Click **Phone Book** to select another contact, or click **Dialer** to enter the number of the additional contact
2. Click the green **Call** button to add and call a contact
3. Proceed with the same steps 1 and 2 to add more contacts to the call

3.9.5 Removing a contact during a call

How to remove a contact during a call?

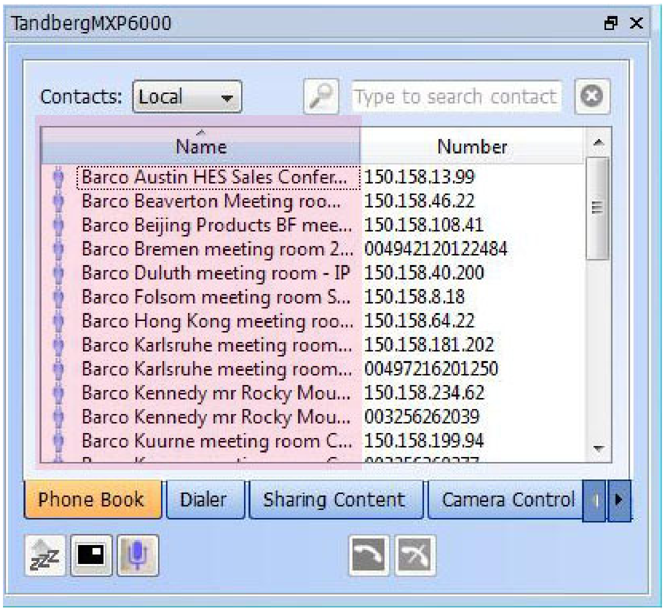
1. From the **Phone Book**, select the participant you want to remove from the ongoing call
2. Click the red **End Call** button to remove a contact

3.9.6 Arranging the names in alphabetical order

How to arrange names in alphabetical order?

1. Click **Phone Book**

   The contacts will be listed in the order of creation date.
2. Click **Name**


TandbergMXP6000
Contacts: Local
Type to search contact
Phone Book
Dialer
Sharing Content
Camera Control

Name	Number
Barco Austin HES Sales Confer...	150.158.13.99
Barco Beaverton Meeting roo...	150.158.46.22
Barco Beijing Products BF mee...	150.158.108.41
Barco Bremen meeting room 2...	004942120122484
Barco Duluth meeting room - IP	150.158.40.200
Barco Folsom meeting room S...	150.158.8.18
Barco Hong Kong meeting roo...	150.158.64.22
Barco Karlsruhe meeting room...	150.158.181.202
Barco Karlsruhe meeting room...	00497216201250
Barco Kennedy mr Rocky Mou...	150.158.234.62
Barco Kennedy mr Rocky Mou...	003256262039
Barco Kuurne meeting room C...	150.158.199.94

Image 3-163
Arrange the names in ascending order

The names will be arranged in alphabetical order.

3.9.7 Controlling camera

Overview

After configuring the video conference device manager, you will be able to control the camera through XDS Control Center. The camera control functions such as, move, zoom, and focus are available for you to control.

How to launch the camera controls?

1. From the **Video Conf Device** widget, click **Camera Control** tab

   The camera control functions are displayed.

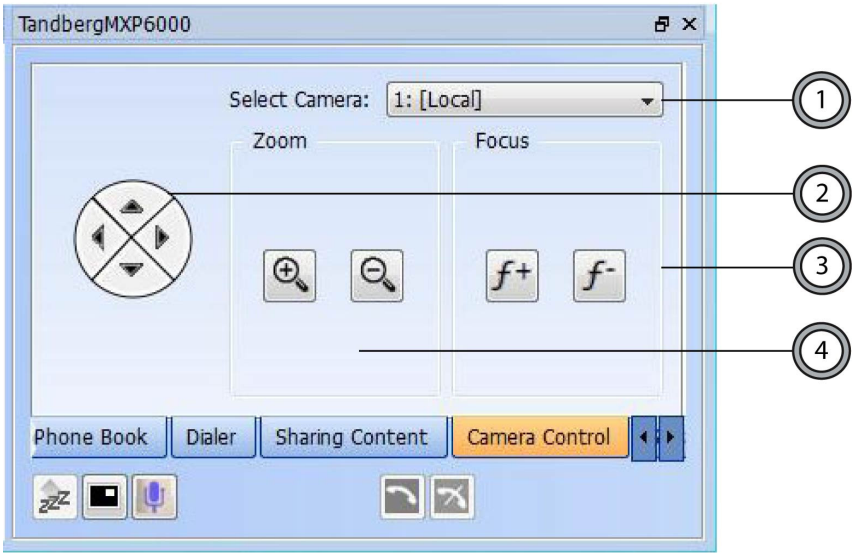

TandbergMXP6000
Select Camera: 1: [Local]
Zoom
Focus
f+
f-
Phone Book
Dialer
Sharing Content
Camera Control
1
2
3
4

Image 3-164
1. Select the camera source
2. Shift the camera view upwards or downwards, or to the left or right
3. Focus the camera view
4. Zoom the camera view

2. From this view, you can move, zoom, and focus the camera of the video conference device.

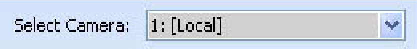
   Each operation is mentioned in detail below.

Selecting the camera

1. From the **Video Conf Device** widget, click open the **Select Camera** drop-down list

The available cameras configured with XDS will be listed.

2. Select the camera for which you want to adjust the settings



Select Camera: 1: [Local]

Image 3-165
Select the camera

Note: *The camera can be local or remote.*

Shifting the camera view

1. From the **Video Conf Device** widget, find the navigation buttons available on the left side

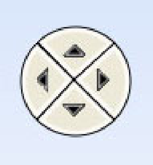


Image 3-166
Shift the camera view

The camera lens will be shifted accordingly.

2. Click left, right, top, or bottom arrow to shift the view of the camera left, right, upwards, or downwards

Focusing the camera

1. From the **Video Conf Device** widget, find the focus section available on the right

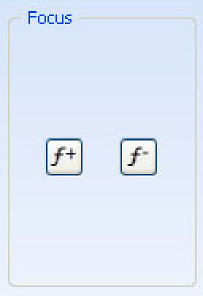


Image 3-167
Focus the camera

2. Click **f**$^+$ to turn the camera lens towards the object to get a clear image
3. Click **f**$^-$ to turn the camera lens away from the object to get a clear image

Zooming the camera

1. From the **Video Conf Device** widget, find the **Zoom** section available in the middle

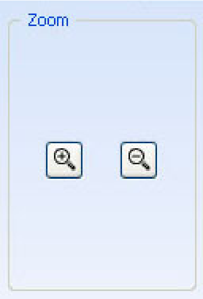


Image 3-168

2. Click 🔍 icon to zoom-in an image and 🔍 icon to zoom-out in an image

3.9.8 Controlling the Microphone

How to control the microphone?

1. From the **Video Conf Device** widget, click **Microphone Sensitivity** tab

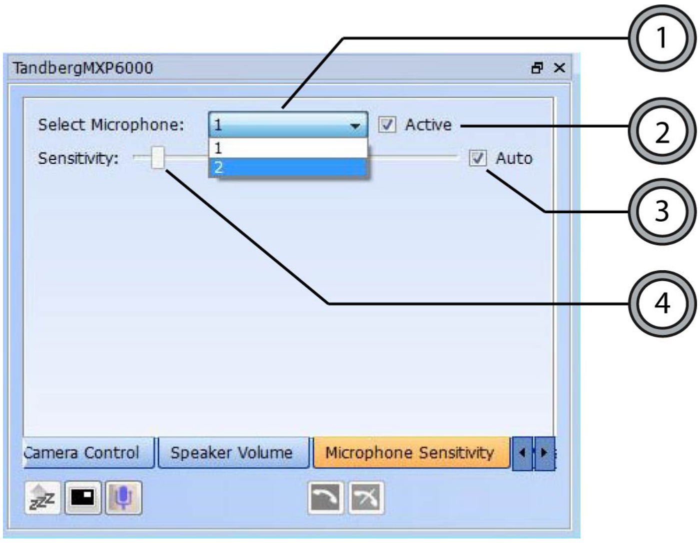

TandbergMXP6000
Select Microphone:
1
1
2
☑ Active
Sensitivity:
☑ Auto
Camera Control
Speaker Volume
Microphone Sensitivity
1
2
3
4

Image 3-169
Microphone controls

The microphone controls are displayed.

2. From the **Select Microphone** drop-down list, select the microphone you want to control. See *Label 1*.
3. Check **Active** if you want the selected microphone to be activated. See *Label 2*.
4. Select **Auto** if you want the sensitivity setting to be set automatically. See *Label 3*.
   Note: *When you select **Auto**, the adjustment of each microphone's sensitivity is done automatically to obtain the best possible audio and minimize the background noise.*
5. Adjust the sensitivity of the microphone by dragging the bar towards the left or right. See *Label 4*.

3.9.9 Mute the microphone

How to mute the microphone?

1. From the **Video Conf Device** widget, click the **Mute/Unmute** button

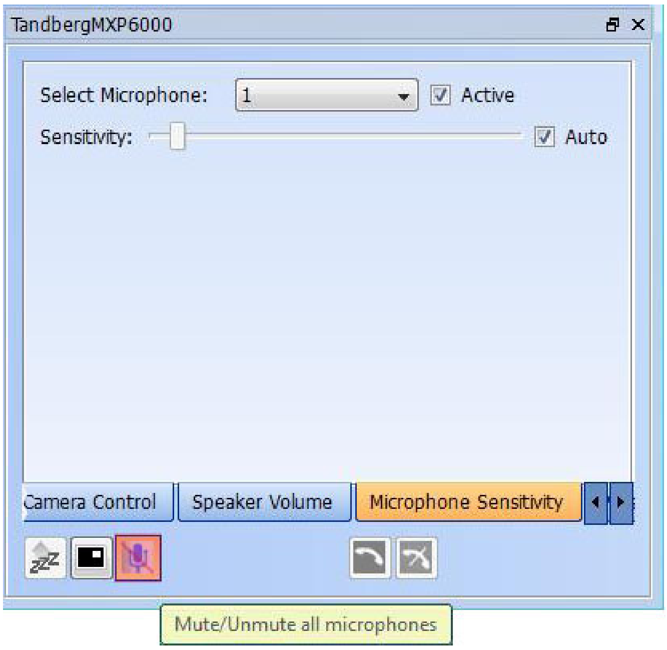
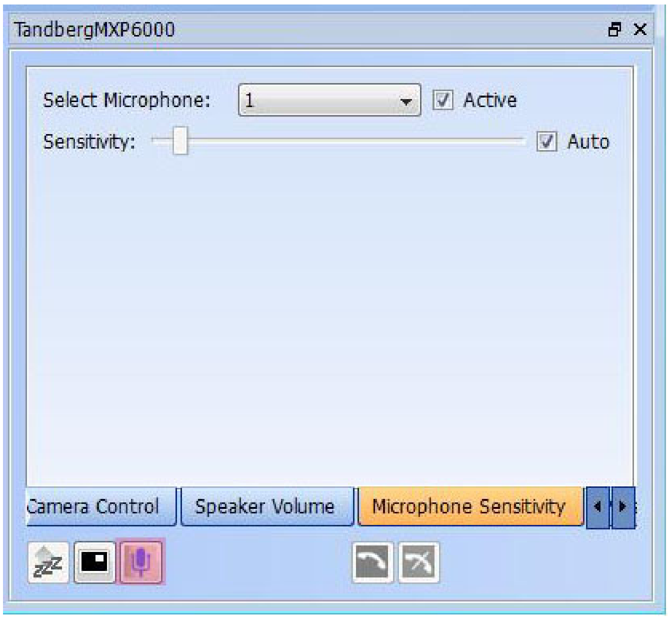

TandbergMXP6000
Select Microphone:
1
☑ Active
Sensitivity:
☑ Auto
Camera Control
Speaker Volume
Microphone Sensitivity
Mute/Unmute all microphones

Image 3-170
Mute microphone

2. To unmute, click the same button again


TandbergMXP6000
Camera Control
Speaker Volume
Microphone Sensitivity

Select Microphone: 1 ☑ Active

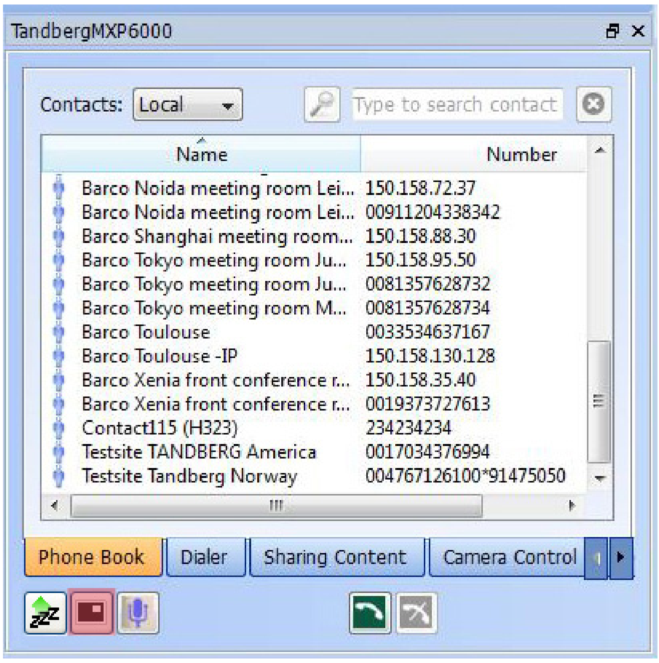
Sensitivity: ☑ Auto

Image 3-171
Unmute microphone

3.9.10 Toggling the layout

How to toggle the layout of the video conference device?

1. To switch to a different layout, from the **Video Conf Device** widget, click the **Change Layout** button
   From the image below, you will find the **Change layout** button highlighted in red for your reference.


TandbergMXP6000
Type to search contact
Phone Book
Dialer
Sharing Content
Camera Control

Contacts: Local

Name	Number
Barco Noida meeting room Lei...	150.158.72.37
Barco Noida meeting room Lei...	00911204338342
Barco Shanghai meeting room...	150.158.88.30
Barco Tokyo meeting room Ju...	150.158.95.50
Barco Tokyo meeting room Ju...	0081357628732
Barco Tokyo meeting room M...	0081357628734
Barco Toulouse	0033534637167
Barco Toulouse -IP	150.158.130.128
Barco Xenia front conference r...	150.158.35.40
Barco Xenia front conference r...	0019373727613
Contact115 (H323)	234234234
Testsite TANDBERG America	0017034376994
Testsite Tandberg Norway	004767126100*91475050

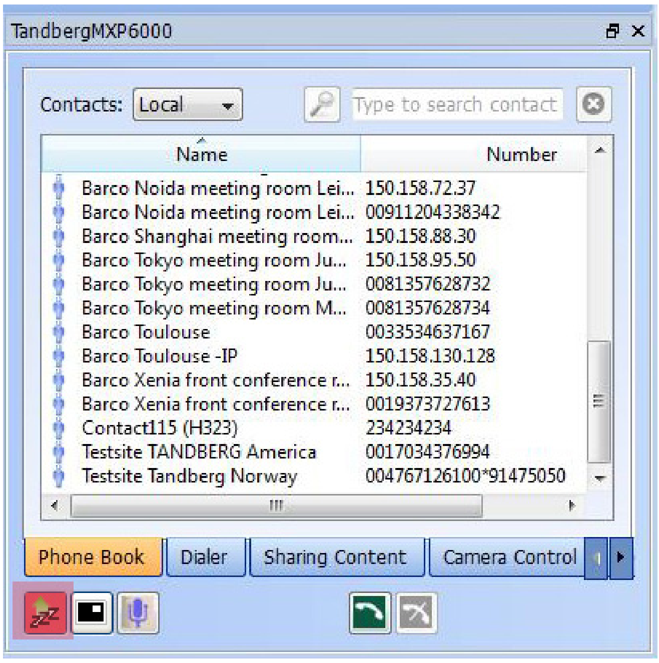
Image 3-172
Toggle layout

The layout will be changed on the display.

3.9.11 Wake-up the video conference device

How to wake-up the video conference device?

1. From the **Video Conf Device** widget, click the **Wake up** button
   From the image below, you will find the wake-up button highlighted in red for your reference.


TandbergMXP6000
Contacts: Local
Type to search contact

Name	Number
Barco Noida meeting room Lei...	150.158.72.37
Barco Noida meeting room Lei...	00911204338342
Barco Shanghai meeting room...	150.158.88.30
Barco Tokyo meeting room Ju...	150.158.95.50
Barco Tokyo meeting room Ju...	0081357628732
Barco Tokyo meeting room M...	0081357628734
Barco Toulouse	0033534637167
Barco Toulouse -IP	150.158.130.128
Barco Xenia front conference r...	150.158.35.40
Barco Xenia front conference r...	0019373727613
Contact115 (H323)	234234234
Testsite TANDBERG America	0017034376994
Testsite Tandberg Norway	004767126100*91475050

Phone Book
Dialer
Sharing Content
Camera Control

Image 3-173
Wake up the video conference device

If the video conference device goes into standby mode, this button will wake up the video conference device.

3.9.12 Hiding the Video conference device widget

How to hide the video conference device widget?

1. Click the **View** menu

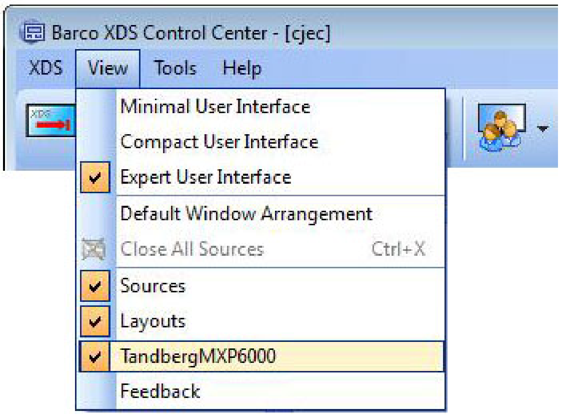

Barco XDS Control Center - [cjec]
XDS
View
Tools
Help
Minimal User Interface
Compact User Interface
Expert User Interface
Default Window Arrangement
Close All Sources Ctrl+X
Sources
Layouts
TandbergMXP6000
Feedback

Image 3-174

2. De-select *TandbergMXP6000* to hide the video conference widget
   Select *TandbergMXP6000* to launch the video conference widget

3.9.13 Advanced features

3.9.13.1 Selecting a source as secondary input

How to select a source as secondary input?

1. From the **Video Conf Device** widget, click **Sharing Content** tab

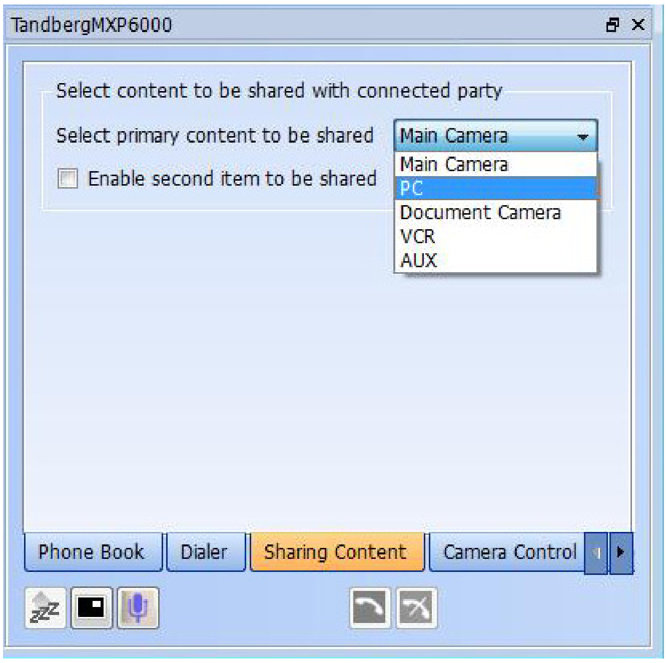
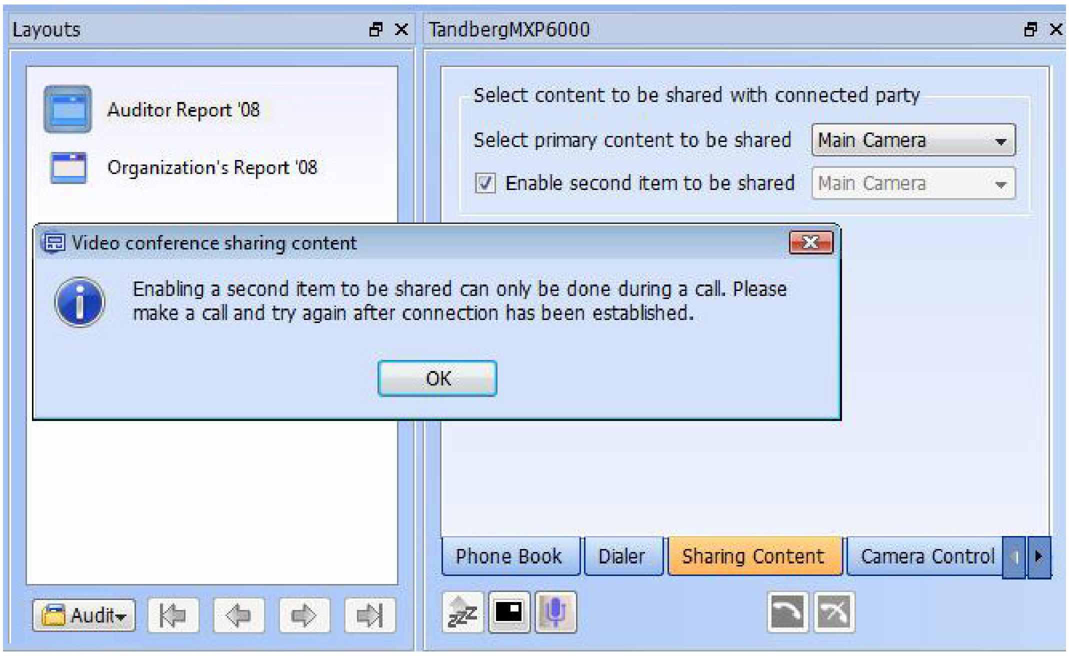

TandbergMXP6000
Select content to be shared with connected party
Select primary content to be shared
Main Camera
Main Camera
PC
Document Camera
VCR
AUX
Enable second item to be shared
Phone Book
Dialer
Sharing Content
Camera Control

Image 3-175
Select the primary content

The Sharing Content tab displays two combo boxes.

- First combo box: Lists types of sources that can be displayed as primary video source
- Second combo box: Lists types of sources that can be displayed as secondary video source

2. From the drop-down list, select the primary content to be shared
3. Select the checkbox to enable second item to be shared


Layouts
Auditor Report '08
Organization's Report '08
Audit
TandbergMXP6000
Select content to be shared with connected party
Select primary content to be shared
Main Camera
Enable second item to be shared
Main Camera
Phone Book
Dialer
Sharing Content
Camera Control
Video conference sharing content
OK

Enabling a second item to be shared can only be done during a call. Please make a call and try again after connection has been established.

Image 3-176
Info message while enabling a second item to be shared

Note: *You can only add another item to be shared when you are in a call. Otherwise an error message will appear as displayed in the image above.*

4. From the drop-down list, select the secondary content to be shared

Now the sources will be shared in the primary and the secondary layout.

3.9.13.2 Launching a layout automatically at incoming/outgoing call

Overview

You need to configure the settings to launch a layout automatically at an incoming call or when triggering a call. After configuration, a window will open automatically with the video conference image at an incoming call or when while triggering a call. Only an administrator has the permissions to configure the settings.

How to launch a layout automatically at incoming/outgoing call?

Whenever an incoming/outgoing call is accepted the specified layout will be launched.

1. From the video conference control view, Click the **Options** tab

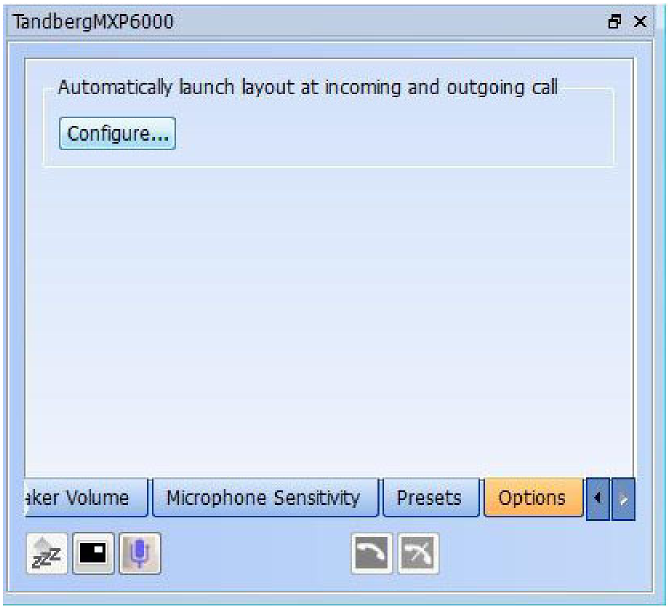
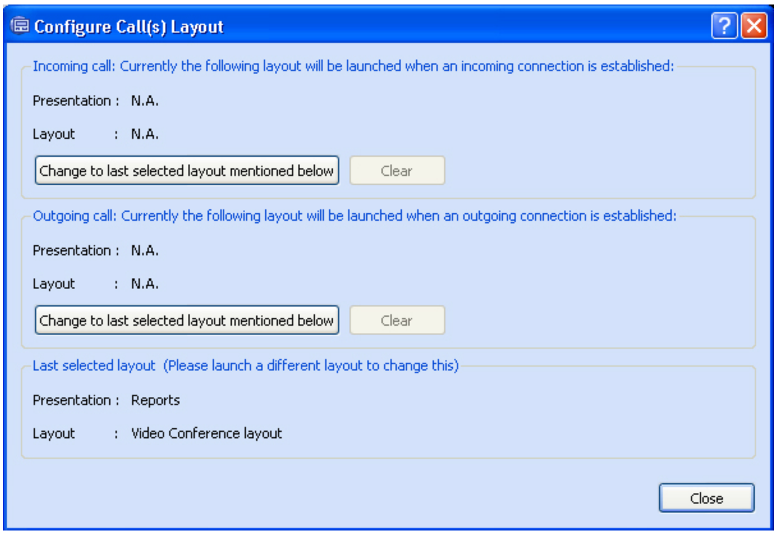

TandbergMXP6000
Automatically launch layout at incoming and outgoing call
Configure...
ker Volume
Microphone Sensitivity
Presets
Options

Image 3-177
Using the Options tab

2. Click **Configure** to launch **Configure Call(s) Layout** dialog

   The **Configure Call(s) Layout** dialog is displayed below.


Configure Call(s) Layout
Change to last selected layout mentioned below
Clear
Change to last selected layout mentioned below
Clear
Close

Incoming call: Currently the following layout will be launched when an incoming connection is established:

Presentation : N.A.

Layout : N.A.

Outgoing call: Currently the following layout will be launched when an outgoing connection is established:

Presentation : N.A.

Layout : N.A.

Last selected layout (Please launch a different layout to change this)

Presentation : Reports

Layout : Video Conference layout

Image 3-178
Configure Call(s) Layout dialog

3. Click **Change to last selected layout mentioned below** to set the last selected layout for incoming or outgoing call

   Note: *Only the last launched layout can be set for incoming/outgoing call. Make sure you launch the required layout before setting it for incoming or outgoing call.*

   Tip: *The selected layout will be launched keeping the current windows on display. So the best is to select a layout that contains the video conference source.*

3.9.13.3 Using preset option

How to use the preset option?

Preset option enables you to store the current state of the video conference system which may include camera settings, microphone settings, and more. You can save a preset and activate the preset from XDS. You can set or overwrite by saving to any available preset id.

1. Make all the settings that you require

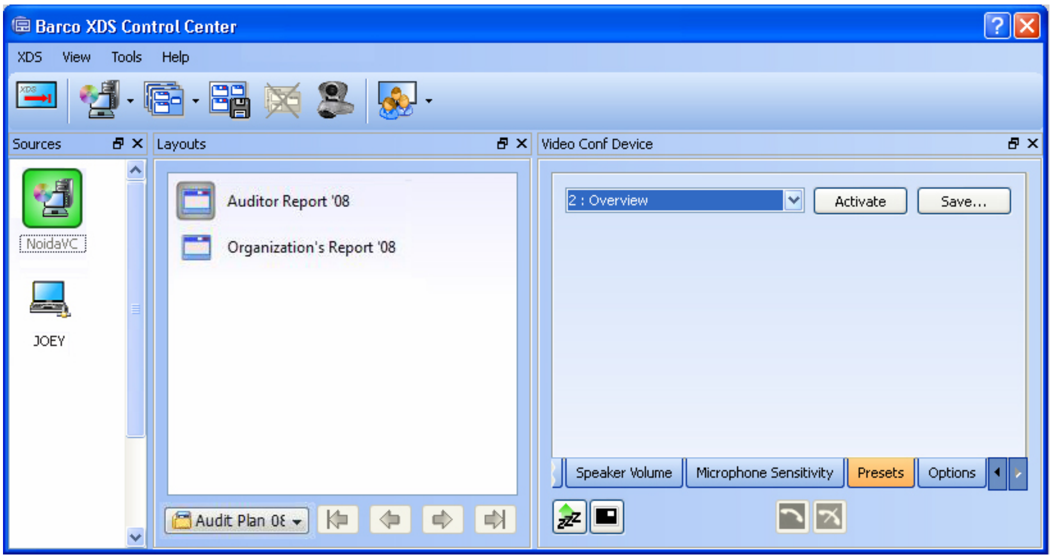

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
Video Conf Device
NoidaVC
JOEY
Auditor Report '08
Organization's Report '08
Audit Plan 08
2 : Overview
Activate
Save...
Speaker Volume
Microphone Sensitivity
Presets
Options

Image 3-179
Using the preset option

2. From the video conference control view, click **Presets** tab
3. Click **Save...** to save the current state of video conference system as a preset
4. Click **Activate** to activate the selected preset for any conference

3.10 Installing the license file

Overview

To install a new license file to XDS, you need to import the obtained license file to XDS to start using the XDS application.

3.10.1 Importing the license file to XDS

License is not required to run XDS Client software or XDS Remote Pointer software because all license checking is performed at the XDS display (desktop generating PC).

How to import the license file to XDS?

Perform the following steps to import the license file to XDS, and to start using the application.

1. Login to the XDS display PC with administrator privileges
2. Save the acquired license file in a folder, for e.g. **C:\\XDS.lic**
3. From the XDS Control Center, open the **Help** menu
4. Click **Import License File**
5. Select the license file from location where it is saved
   In this case, it is at **C:\\XDS.lic**
6. Restart the XDS display PC
7. Login as a normal user
   Note: *To know how to get different license file depending on your type of installation requirement, see "Getting license", page 108.*

3.10.2 Installing a new license after license expiry

How to install a new license after license expiry?

1. Login to XDS Display PC with administrator privileges
2. Go to **START** menu > **All Programs** > **Barco XDS Control Software** and click **Stop XDS Software**
3. Go to **C:\Documents and Settings\All Users\Application Data\Barco\XDS** directory and move your existing **XDS.lic** file to another location
4. Now send a request to Barco for obtaining a new license file along with the System ID or the Projector serial number, depending on the system installation. Finding System ID or Serial number depends on type of system installation. See "Getting license", page 108 to get more details on how to get license.

4. ADMINISTERING THE XDS CONTROL CENTER

Overview

- XDS User Management
- Getting license

Introduction

This section of the guide is created for system administrators.

As a system administrator, you can perform tasks such as, setting user management options, creating or editing public layouts, setting the layout for incoming or outgoing calls through video conference device using XDS Control Center, automatically accepting incoming client connection request on the XDS display, using restore point, closing the XDS session of a remote user, rebooting the display server of an XDS display system, adding or deleting XDS users, and assigning user privileges for XDS users.

First, let us understand the usage of XDS user management.

4.1 XDS User Management

Overview

To be able to work with XDS software, you have to set the **User Management** settings. The chosen settings will have an impact on the XDS users when they access and use the XDS display system. While installing the XDS display software, the **User Management** option can be switched ON or switched OFF, depending on the installation requirement, and the type of user who will have access to XDS Control Center.

After installation, the changes take effect.

The topics below will guide you how to switch ON or switch OFF the user management.

To make changes to user management settings after installation, you need to use the Remote Administration Center. Refer to XDS Remote Administration Center.

4.1.1 User Management: ON

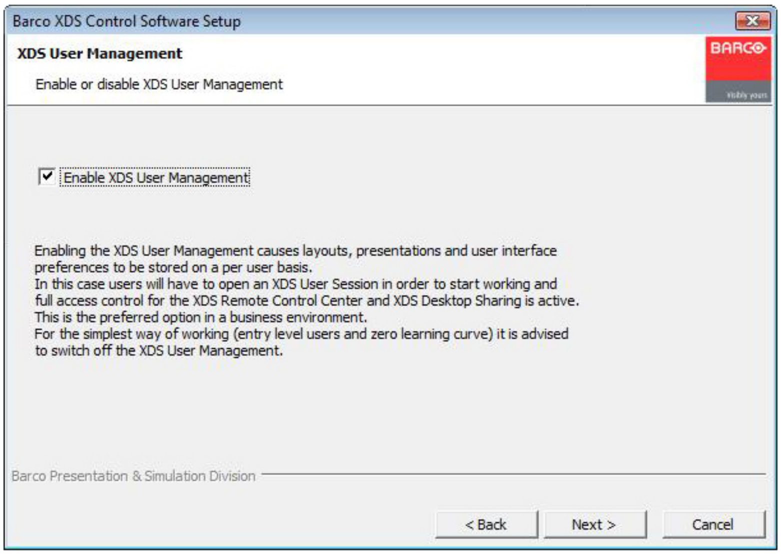
Overview

When switched ON, different login modes of user management can be chosen based on the installation setup.

Only users having a valid windows login account in the domain where XDS control software is installed, or at least a login to the PC on which the XDS control software is running can use the XDS control center.

When User Management is ON, presentations and layouts are saved per user, however the administrator can define a number of public layouts. These public layouts are visible for all users, but normal session users cannot modify or delete them. The users interface preferences such as icon sizes, list view/icon view, mini/compact/expert GUI are saved per user.

While installing the XDS display software, the following wizard will appear:



XDS User Management

Enable or disable XDS User Management

☑ Enable XDS User Management

Enabling the XDS User Management causes layouts, presentations and user interface preferences to be stored on a per user basis.
In this case users will have to open an XDS User Session in order to start working and full access control for the XDS Remote Control Center and XDS Desktop Sharing is active.
This is the preferred option in a business environment.
For the simplest way of working (entry level users and zero learning curve) it is advised to switch off the XDS User Management.

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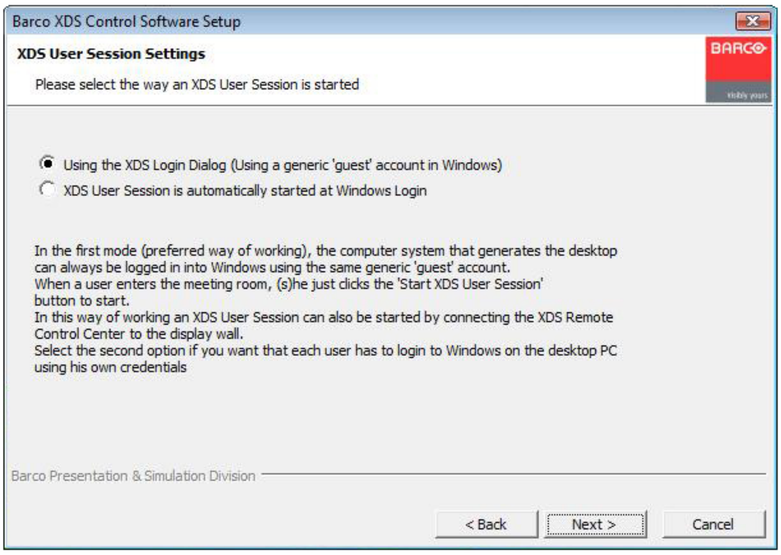
Image 4-1
Enable User Management

1. To set the User Management ON, check the option **Enable XDS User Management**.
2. Click **Next >** to continue
   There are two user login modes when User Management is switched ON.
   - Using Windows login (linked to login to Windows)
   - Using XDS login (Separate login procedure after Windows login)
3. Select any of the user login modes and click **Next>** to continue. Read the topics below to understand the usage of these login modes.

See the image below:



XDS User Session Settings

Please select the way an XDS User Session is started

● Using the XDS Login Dialog (Using a generic 'guest' account in Windows)
○ XDS User Session is automatically started at Windows Login

In the first mode (preferred way of working), the computer system that generates the desktop can always be logged in into Windows using the same generic 'guest' account.
When a user enters the meeting room, (s)he just clicks the 'Start XDS User Session' button to start.
In this way of working an XDS User Session can also be started by connecting the XDS Remote Control Center to the display wall.
Select the second option if you want that each user has to login to Windows on the desktop PC using his own credentials

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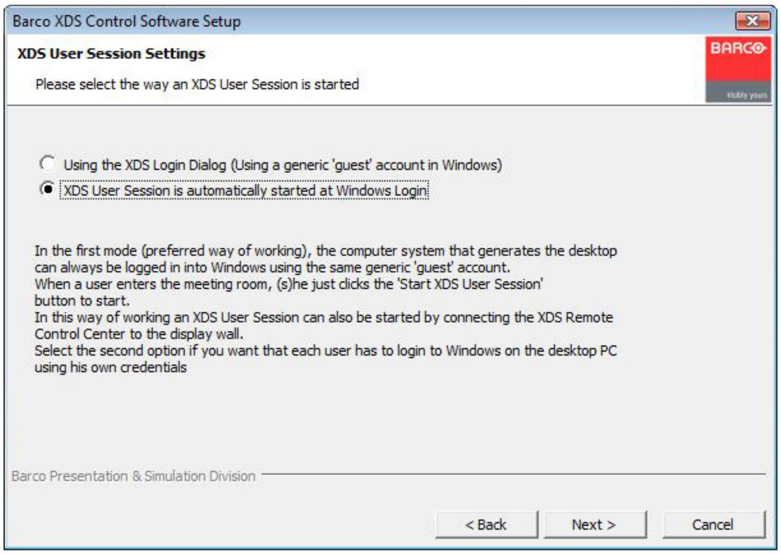
Image 4-2
Login options

Using Windows login

When you enable the option, **XDS User Session is automatically started at Windows Login**, an XDS session for that user is started automatically. Changing the XDS user session requires changing the Windows user (log off and log in to Windows).


Barco XDS Control Software Setup
BARCO
Visibly yours
Barco Presentation & Simulation Division
< Back
Next >
Cancel

XDS User Session Settings

Please select the way an XDS User Session is started

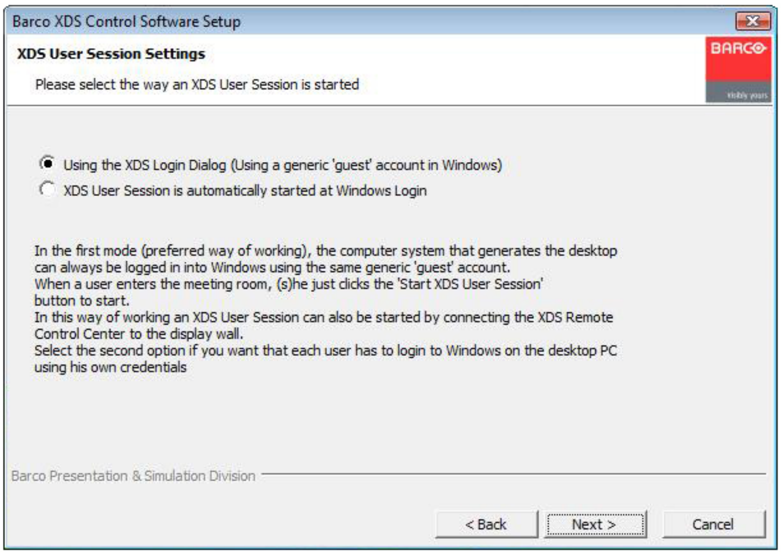
○ Using the XDS Login Dialog (Using a generic 'guest' account in Windows)
● XDS User Session is automatically started at Windows Login

In the first mode (preferred way of working), the computer system that generates the desktop can always be logged in into Windows using the same generic 'guest' account.
When a user enters the meeting room, (s)he just clicks the 'Start XDS User Session' button to start.
In this way of working an XDS User Session can also be started by connecting the XDS Remote Control Center to the display wall.
Select the second option if you want that each user has to login to Windows on the desktop PC using his own credentials

Image 4-3
Windows login

Using XDS login

When you enable the option, **Using the XDS Login Dialog**, different XDS users can start the XDS session by logging in through XDS authentication dialog without changing the Windows user i.e. without login and logout of Windows.


Barco XDS Control Software Setup
BARCO
Visibly yours
Barco Presentation & Simulation Division
< Back
Next >
Cancel

XDS User Session Settings

Please select the way an XDS User Session is started

● Using the XDS Login Dialog (Using a generic 'guest' account in Windows)
○ XDS User Session is automatically started at Windows Login

In the first mode (preferred way of working), the computer system that generates the desktop can always be logged in into Windows using the same generic 'guest' account.
When a user enters the meeting room, (s)he just clicks the 'Start XDS User Session' button to start.
In this way of working an XDS User Session can also be started by connecting the XDS Remote Control Center to the display wall.
Select the second option if you want that each user has to login to Windows on the desktop PC using his own credentials

Image 4-4
XDS login

With any of the options selected above, the user with administrator rights can login to XDS and perform the administrator tasks.

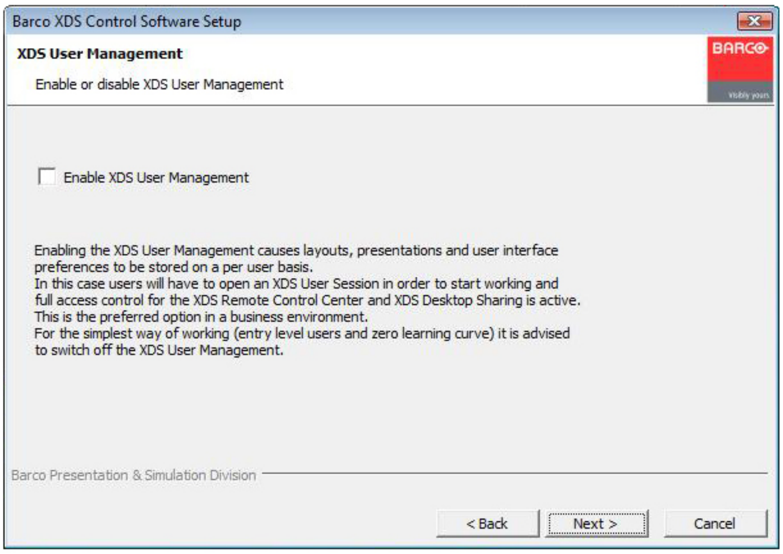
4.1.2 User Management: OFF

Overview

When User Management is switched OFF, the XDS control center automatically opens a session on Windows login. Any user can use the XDS control center, i.e. an user who does not have a valid Windows login account in the XDS server's domain can also use the XDS Control Center. Every user can access any presentation and layout. The user preference settings such as icon sizes, list or icon view are the same for every user.

When User Management is OFF, XDS saves all presentations, layouts, and GUI settings under a default user called desktop. This default user is visible in the Remote Administration Client's User management tab and cannot be deleted.

While installing the XDS display software, the following wizard will appear:


Barco XDS Control Software Setup
BARCO
Visibly yours
Barco Presentation & Simulation Division
< Back
Next >
Cancel

XDS User Management

Enable or disable XDS User Management

☐ Enable XDS User Management

Enabling the XDS User Management causes layouts, presentations and user interface preferences to be stored on a per user basis.
In this case users will have to open an XDS User Session in order to start working and full access control for the XDS Remote Control Center and XDS Desktop Sharing is active.
This is the preferred option in a business environment.
For the simplest way of working (entry level users and zero learning curve) it is advised to switch off the XDS User Management.

Image 4-5
User Management: OFF

1. To set the User Management OFF, uncheck the option **Enable XDS User Management**
   By default, this option is unchecked.
2. Click **Next>** to proceed to the next steps to install the software

The user with administrator rights needs to enter into administrator mode from the XDS Control Center and then perform the administrator operations. To login as administrator, see "User Management OFF: Entering Administrator mode", page 100. The default user will not be able to perform the administrator tasks.

This setup is recommended for public meeting rooms where everybody, including visitors who do not have a login on the network can use the XDS Control Center.

The topics below will guide you how to enter into administrator mode when user management is switched ON or OFF.

4.1.3 User Management ON: Entering Administrator mode

How to enter ADMIN mode when user management is ON?

1. From the XDS Control Center, click on **Click to start session**
2. Login using the administrator credentials

   Now you can perform the administrator tasks.
   Or,
   you can also login from Windows directly with administrator login and perform the administrator tasks.

Only an administrator user can give administrator permissions to other users using the XDS Remote Administration client. Permissions for different users are stored per display. For example, an user can have administrator rights on one display but not on the other.

4.1.4 User Management OFF: Entering Administrator mode

How to enter ADMIN mode when user management is OFF?

1. From the XDS Control Center, open the **Help** menu
2. Click *Enter Administrator Mode...*

   A login window pops up.
3. Enter the administrator credentials

   Now you will be able to perform the administrator tasks.

4.1.5 Fixed Public Layouts

Overview

As you already know, when User Management is OFF, the layouts and presentations created by one XDS user are visible to all XDS users. Any user of XDS display can view, edit, rename, or delete the layouts and presentations created by other users.

To avoid other XDS users from modifying your layout, you need to enable layouts to be **Public**. When made public, other XDS users can only view or launch the public layouts. They can also create their own layouts, but cannot edit, rename, or delete a public layout.

In the other case when User Management is ON, the layouts and presentations created by one XDS user are not visible to all other XDS users. So when you make the layouts and presentations public, they become visible to all XDS users. You can view or launch the public layouts but cannot modify them.

Remember that only an administrator can enable layouts to be **Public**. Also, the administrator should be the session owner of XDS display to modify the public layout.

The topic below will let you know how to make a layout public.

4.1.5.1 Making layout public

When User Management is ON, you can login directly to XDS Control Center with administrator credentials and follow the instructions from step 4.

How to make layout public?

1. In XDS Control Center, open the **Help** menu
2. Click *Enter Administrator mode*
3. Enter the credentials of the XDS administrator login
4. After creating a layout, from the XDS Control Center, open the **Tools** menu
5. Click *Save Layout...*

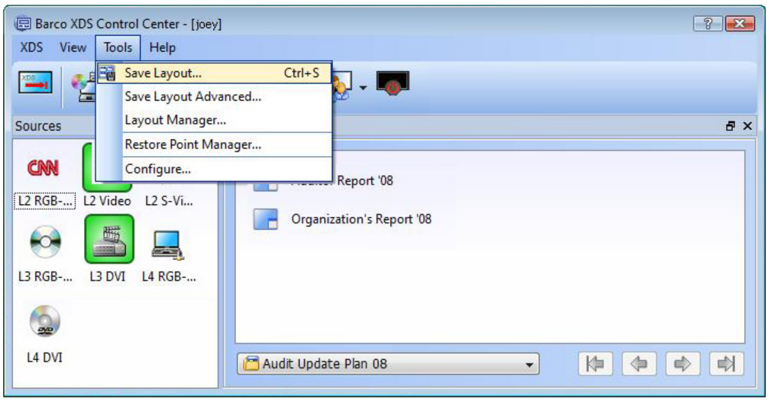
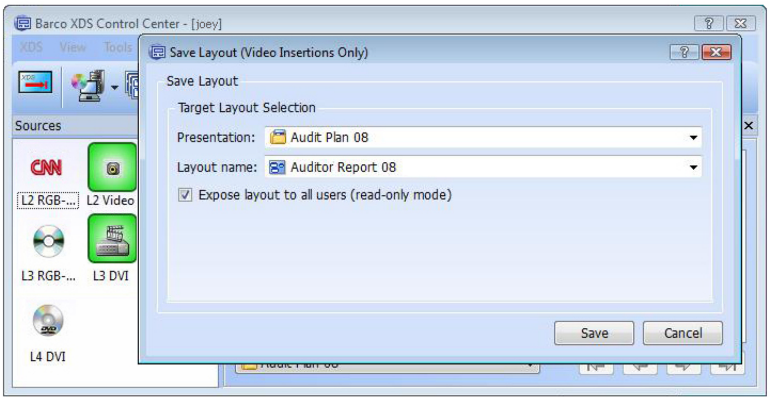

Barco XDS Control Center - [joey]
XDS
View
Tools
Help
Save Layout...
Ctrl+S
Save Layout Advanced...
Layout Manager...
Restore Point Manager...
Configure...
Sources
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Report '08
Organization's Report '08
Audit Update Plan 08

Image 4-6
Save Layout option

The **Save Layout** dialog opens.


Barco XDS Control Center - [joey]
XDS
View
Tools
Sources
L2 RGB-...
L2 Video
L3 RGB-...
L3 DVI
L4 DVI
Save Layout (Video Insertions Only)
Save Layout
Target Layout Selection
Save
Cancel

Presentation: Audit Plan 08

Layout name: Auditor Report 08

☑ Expose layout to all users (read-only mode)

Image 4-7
Save Layout dialog

6. From the drop-down list, select the layout that you want to make as public
7. Check **Expose layout to all users (read-only mode)**
8. Click **Save**

   When you open the **Layout Manager** dialog, the exposed layout will be highlighted in blue color.

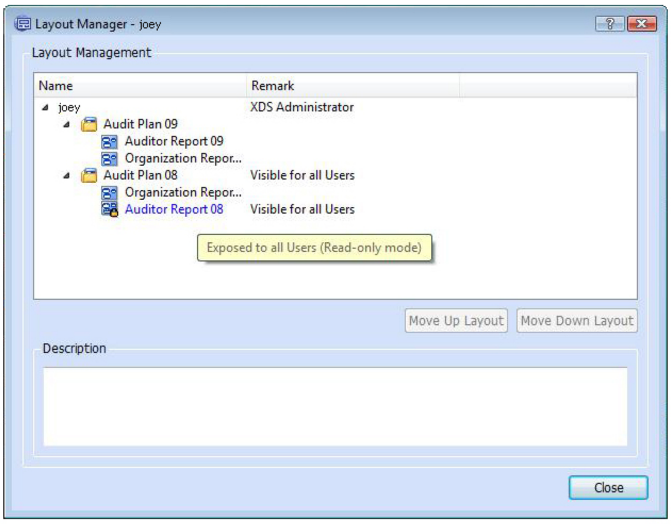

Layout Manager - joey
Layout Management
Name
Remark
joey
XDS Administrator
Audit Plan 09
Auditor Report 09
Organization Repor...
Audit Plan 08
Visible for all Users
Organization Repor...
Auditor Report 08
Visible for all Users
Exposed to all Users (Read-only mode)
Move Up Layout
Move Down Layout
Description
Close

Image 4-8
Viewing the exposed layout

   Now this public layout can only be launched or viewed by other users.

9. To leave the administrator mode:
   a) In XDS Control Center, open *Help* menu
   b) Click *Leave Administrator mode*

Making layout public from Layout Manager dialog

1. In the **XDS Control Center**, open the **Tools** menu

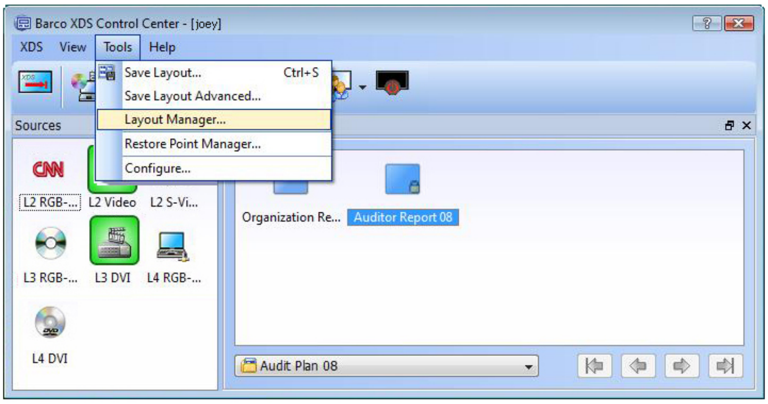

Barco XDS Control Center - [joey]
XDS
View
Tools
Help
Save Layout...
Ctrl+S
Save Layout Advanced...
Layout Manager...
Restore Point Manager...
Configure...
Sources
L2 RGB-...
L2 Video
L2 S-Vi...
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
Organization Re...
Auditor Report 08
Audit Plan 08

Image 4-9
Layout Manager

2. Click *Layout Manager...*

The **Layout Manager** dialog opens.

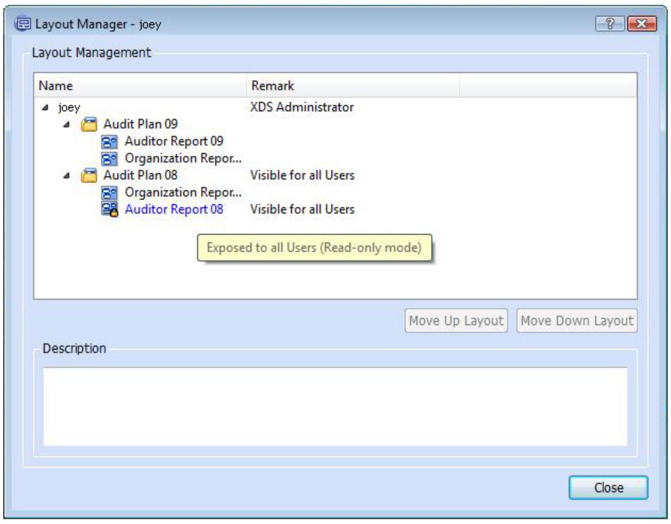

Layout Manager - joey
Layout Management
Name
Remark
joey
XDS Administrator
Audit Plan 09
Auditor Report 09
Organization Repor...
Audit Plan 08
Visible for all Users
Organization Repor...
Auditor Report 08
Visible for all Users
Exposed to all Users (Read-only mode)
Move Up Layout
Move Down Layout
Description
Close

Image 4-10
Layout Manager dialog

3. Select the layout you want to expose, and right-click on it to open the context menu
4. Click *Expose layout (Read-only)*

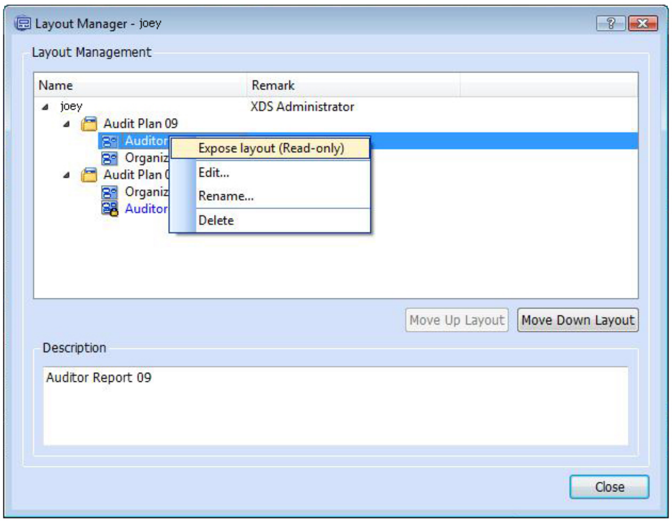

Layout Manager - joey
Layout Management
Name
Remark
joey
XDS Administrator
Audit Plan 09
Auditor
Organiz
Audit Plan 0
Organiz
Auditor
Expose layout (Read-only)
Edit...
Rename...
Delete
Move Up Layout
Move Down Layout
Description
Auditor Report 09
Close

Image 4-11
Expose layout from Layout Manager

4.1.5.2 Reusing a public layout

How to reuse a public layout?

When a layout is made public you have the option to reuse that particular layout in another presentation. The exception is, when you reuse you can modify the layout. Follow the steps below to reuse a public layout.

1. In the XDS Control Center, open the **Tools** menu
2. Click **Layout Manager**
3. From the **Layout Manager** dialog , click on the public layout and press **CTRL**
4. Keeping the **CTRL** key pressed drag and drop the public layout to another presentation, which creates a copy of the public layout

   This copied layout will be an unlocked layout and you can modify it. The copy is unlocked only when you are using an XDS version higher than 2.1.21.0.

4.1.6 Maintenance tasks

Overview

- Creating and recalling restore points
- Deleting a restore point
- Reinitializing XDS system
- Cleaning up custom files

Overview

In this following section you will learn how to perform maintenance tasks such as, creating and recalling restore points, and cleaning up the custom files.

A restore point is a saved state of the XDS Display namely, layouts and presentations and user interface preferences that can be restored later. Otherwise a restore point is simply a copy of the configuration files.

4.1.6.1 Creating and recalling restore points

Login as administrator to use the following function.

How to create a restore point?

1. To create a restore point, in XDS Control Center, open the **Tools** menu

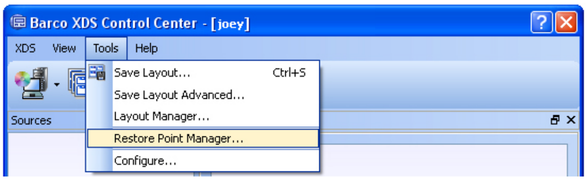

Barco XDS Control Center - [joey]
XDS
View
Tools
Help
Save Layout... Ctrl+S
Save Layout Advanced...
Layout Manager...
Restore Point Manager...
Configure...
Sources

Image 4-12
Tools menu

2. Click *Restore Points Manager...*
   The **Restore Point Manager** dialog opens.

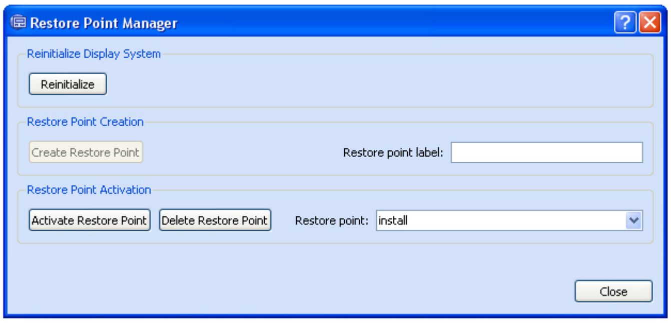
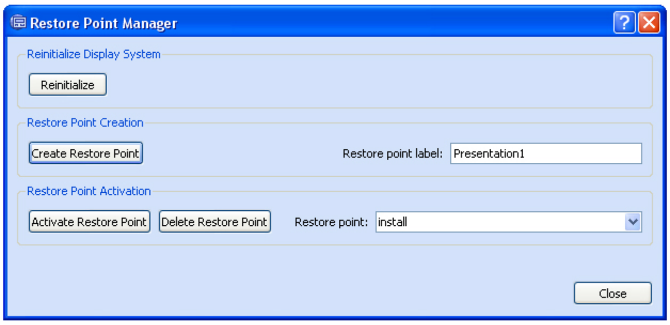

Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore point label:
Restore Point Activation
Activate Restore Point
Delete Restore Point
Restore point: install
Close

Image 4-13
Restore Point Manager dialog

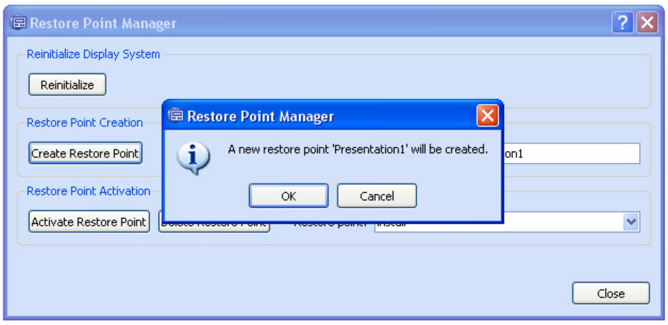
3. In **Restore point label** text field, specify a name for the configuration file
4. Click **Create Restore Point**


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore Point Activation
Activate Restore Point
Delete Restore Point
Close

Restore point label: Presentation1

Restore point: install

Image 4-14
Create restore point


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore Point Activation
Activate Restore Point
Restore Point Manager
OK
Cancel
Close

A new restore point 'Presentation1' will be created.

Image 4-15
Confirm restore point creation

5. Click **OK** to confirm

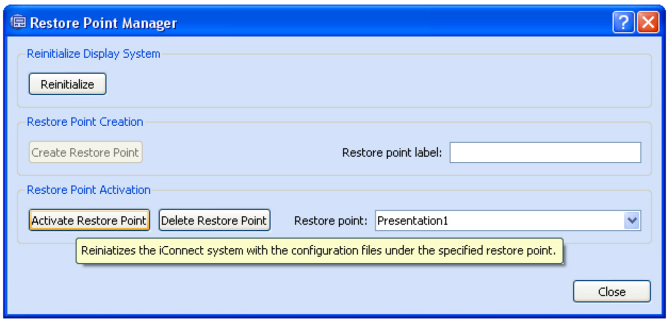
   A new restore point under **restorePoints** directory will be created with the specified label.

6. Click **Close** to close the dialog box

How to recall a restore point?

Recalling a restore point enables the XDS system to revert back to a known state.

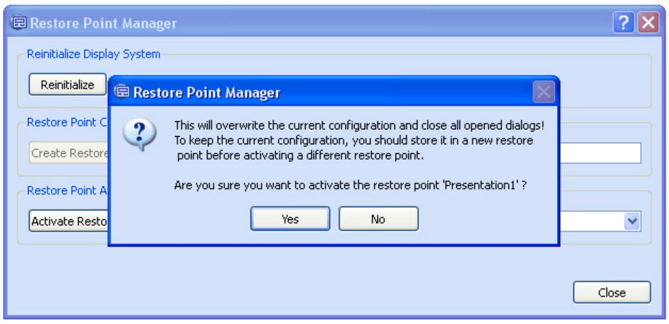
1. To recall a restore point, in XDS Control Center, open the **Tools** menu
2. Click *Restore Points Manager...*
   The **Restore Point Manager** dialog opens.
3. From the **Restore point** drop-down list, select the restore point
4. Click **Activate Restore Point**


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore point label:
Restore Point Activation
Activate Restore Point
Delete Restore Point
Close

Restore point: Presentation1

Reiniatizes the iConnect system with the configuration files under the specified restore point.

Image 4-16
Activate restore point


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point C
Create Restore
Restore Point A
Activate Resto
Restore Point Manager
Yes
No
Close

This will overwrite the current configuration and close all opened dialogs!
To keep the current configuration, you should store it in a new restore point before activating a different restore point.

Are you sure you want to activate the restore point 'Presentation1' ?

Image 4-17

5. Click **Yes** to confirm

   The XDS system reloads itself to the selected state and a new session has to be started.

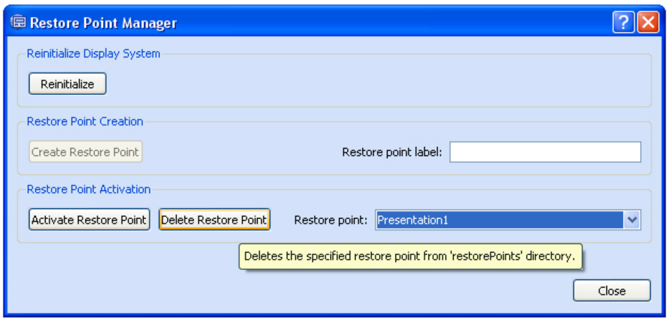
Always save the current state by creating a new restore point before you activate the old restore point, as all the settings in the system will be adjusted to the restore point that is activated. Only layouts which are in this restore point will be visible.

After installing the XDS system, it is recommended to create a restore point when everything is running fine.

4.1.6.2 Deleting a restore point

How to delete a restore point?

1. To delete a restore point, in XDS Control Center, open the **Tools** menu
2. Click *Restore Points Manager...*
3. From the **Restore point** drop-down list, select the restore point
4. Click **Delete Restore Point**


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore Point Activation
Activate Restore Point
Delete Restore Point
Close

Restore point label:

Restore point: Presentation1

Deletes the specified restore point from 'restorePoints' directory.

Image 4-18
Delete restore point

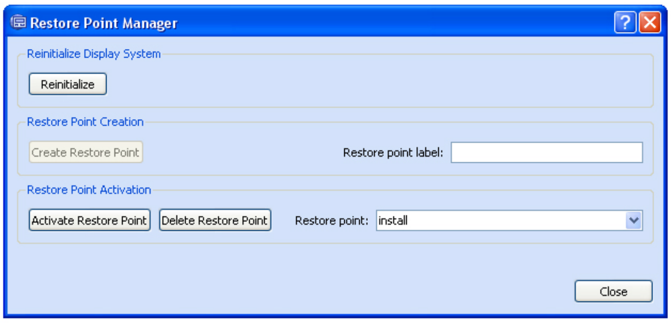
5. Click **Close** to close the Restore Points Manager dialog

4.1.6.3 Reinitializing XDS system

How to reinitialize the XDS system?

To stop and restart the XDS software, you can use this option. This will reinitialize the complete XDS system.

1. Close all the source windows
2. Click **Reinitialize**


Restore Point Manager
Reinitialize Display System
Reinitialize
Restore Point Creation
Create Restore Point
Restore point label:
Restore Point Activation
Activate Restore Point
Delete Restore Point
Close

Restore point: install

Image 4-19
Reinitialize the XDS system

All connected clients will be disconnected. The opened XDS session will be closed, if user management is ON. The XDS system will restart.

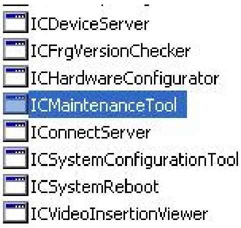
4.1.6.4 Cleaning up custom files

Overview

Make sure you have administrator privileges on the XDS system in order to clean up the custom files. First of all, you need to start the XDS Maintenance Tool. Follow the steps below to clean up the custom files.

How to clean up custom files?

1. Copy the **ICMaintenanceTool.exe** to the following folder: **C:\Program Files\Barco\XDS\bin**

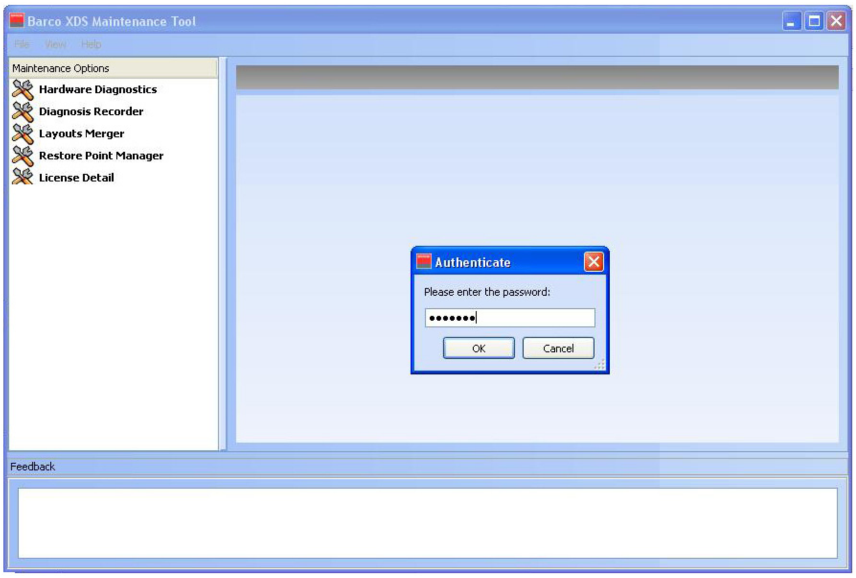


ICDeviceServer
ICFrgVersionChecker
ICHardwareConfigurator
ICMaintenanceTool
IConnectServer
ICSystemConfigurationTool
ICSystemReboot
ICVideoInsertionViewer

Image 4-20
ICMaintenanceTool Executable

2. Stop the XDS software
   To stop the XDS software:
   a) Go to **Start** menu
   b) Select *All Programs* > *Barco XDS Control Software* > *Stop XDS Software*
3. Double click on **ICMaintenanceTool.exe**

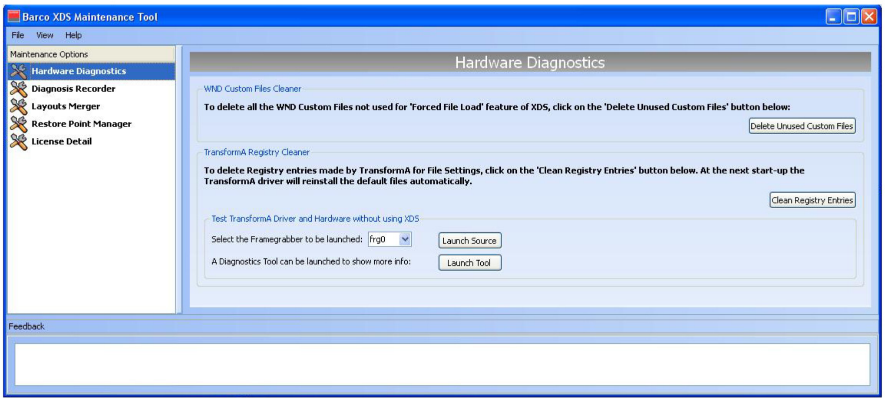
   The **Barco XDS Maintenance Tool** dialog box opens and the XDS system prompts for a password.


Barco XDS Maintenance Tool
File
View
Help
Maintenance Options
Hardware Diagnostics
Diagnosis Recorder
Layouts Merger
Restore Point Manager
License Detail
Authenticate
OK
Cancel
Feedback

Please enter the password:
•••••••

Image 4-21
Prompt for password

4. Enter **letmein** as password
   Now you will be able to access the tabs in the **Barco XDS Maintenance Tool** dialog box.
5. Click **Hardware Diagnostics** from the left pane


Barco XDS Maintenance Tool
File
View
Help
Maintenance Options
Hardware Diagnostics
Diagnosis Recorder
Layouts Merger
Restore Point Manager
License Detail
Hardware Diagnostics
WND Custom Files Cleaner
Delete Unused Custom Files
TransformA Registry Cleaner
Clean Registry Entries
Test TransformA Driver and Hardware without using XDS
Launch Source
Launch Tool
Feedback

To delete all the WND Custom Files not used for 'Forced File Load' feature of XDS, click on the 'Delete Unused Custom Files' button below:

To delete Registry entries made by TransformA for File Settings, click on the 'Clean Registry Entries' button below. At the next start-up the TransformA driver will reinstall the default files automatically.

Select the Framegrabber to be launched: frg0

A Diagnostics Tool can be launched to show more info:

Image 4-22
Clean up custom files

6. Click **Delete Unused Custom Files** to delete all unused WND custom files
7. To delete the registry entries created by Transform A for File Settings, click **Clean Registry Entries**
8. Reboot the XDS system

4.2 Getting license

4.2.1 Things to remember

Overview

- The XDS Control Software requires a license file to work
- The identification number that needs to be in the license file depends on the type of installation of XDS Software
- The acquired license file must be copied on the desktop generating PC (the XDS display PC, where the **IConnectServer.exe** process is running)
- After installation of the XDS Software we have to import the license file using the XDS Control Center

---

License is not required to run XDS Client software or XDS Remote Pointer software because all license checking is performed at the XDS display (desktop generating PC).

In the following topics we will discuss how to get the identification number for the different types of XDS Software installations, and import the license to XDS.

4.2.2 License for LC-xx System installation

How to get license for LC-xx System installation?

1. Click **XDS_x.x.xx.xx_Wall_RC.exe** file to install the XDS software on the PC you want to set up as XDS display
2. Reboot your PC
   From the client side:
   a) Start XDS Desktop Sharing Client from another PC where this software is installed
   b) Connect to the XDS display on which you just installed the Wall installer

   As soon as the XDS Desktop Sharing Client connects with the display, following message is shown in the **Feedback** widget of the XDS Control Center application in the XDS display.
3. Make a note of the System ID from the message that is displayed
4. Send this System ID to Barco requesting for the license file
   Note: *Refer to the topic **Importing license in XDS**, to use the license file.*

4.2.3 License for NW-xx System installation

How to get license for NW-xx System installation?

1. Click **XDS_x.x.xx.xx_Projector_RC.exe** file to install the XDS software on the PC you want to set up as XDS display
2. During installation, fill in the required fields
3. Reboot the PC
4. The XDS Control Center application will start

   A message mentioning the serial number of the projector will be displayed in the **Feedback** widget of the XDS Control Center.
5. Make a note of the serial number of the projector
6. Send this projector serial number to Barco requesting for the license file
   Note: *Refer to the topic **Importing license in XDS**, to use the license file.*

For dual channel, please note down the serial numbers for both the projectors and send it to Barco to acquire the license.

For iCON, Galaxy NH-12, Galaxy NW-12, and Galaxy NW-7 projectors, the serial number of the projector is displayed on the front LCD display after startup of the projector.

4.2.4 License for XDC-x000 System installation

How to get license for XDC-x000 System installation?

1. Click **XDS_x.x.xx.xx_XDCx000_RC.exe** file to install the XDS software
2. Reboot the PC

   The XDS Control Center application will start automatically and show a message. A dialog box will pop up with a message displaying the System ID of the PC, on which you have installed the XDS software.
3. Make a note of the System ID
4. Send this System ID to Barco requesting for the license file

4.2.5 License for XDS-x000 System installation

How to get license for XDS-x000 System installation?

1. Click **XDS_x.x.xx.xx_Wall_RC.exe** file to install the XDS software
2. Reboot the PC

   The XDS Control Center application will start automatically and show a message. A dialog box will pop up with a message displaying the System ID of the PC, on which you have installed the XDS software.
3. Note down the System ID of the PC
4. Send this System ID to Barco requesting for the license file

4.2.6 Contacting Barco to get the license file

How to contact Barco to get the license file?

Send a mail to Barco mentioning the following details:

- type of installation
- System ID or Projector Serial number(s) (depending on the type of installation)
- Number of XDS Desktop Sharing clients, number of XDS Remote Control Center clients, and number of Remote Pointers

This information is similar to the customer order in BAAN. XDS software license does not expire, unless you want to upgrade the version. It has an infinite license or a temporary demo license.

4.2.7 Whom to contact to get the license file?

People to contact:

Name	Email ID	Country
Tracy Titcombe	tracy.titcombe@Barco.com	United States
James King	james.king@Barco.com	United States
Sofie Mahieu	sofie.mahieu@Barco.com	Belgium
Veerle Venken	veerle.venken@Barco.com	Belgium
Marie-Ann Gobin	marieann.gobbin@Barco.com	Belgium

You will receive a license file by email, typically XDS.lic from Barco. To know how to import the license file to XDS, see "Installing the license file", page 94.

5. XDS REMOTE ADMINISTRATION CENTER

Introduction

Using the Remote Administration Center, you can administer multiple XDS Displays in a network. The various functions that you can perform using the XDS Remote Administration Center are discussed in the topics below.

5.1 Key capabilities

User Management

From the XDS Remote Administration Center, the Admin users can add or delete XDS users, change user privileges, restrict user access, set auto-logout timer, and change user management settings.

Diagnostics of XDS Displays

The Admin users can view the diagnostics of the XDS Displays such as, status of running displays, sources connected to the running XDS displays, clients connected to running XDS displays.

XDS Display control

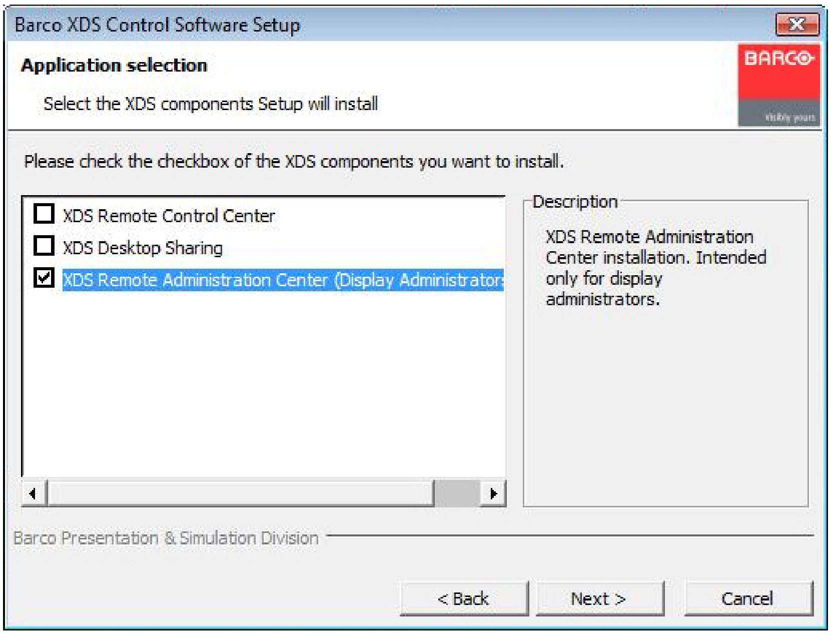
The Admin users can control XDS Displays by closing XDS Sessions, switching on or switching off XDS displays, rebooting XDS Displays, sending message to XDS Displays, viewing all the local and external displays, connecting to/disconnecting from XDS Displays, and removing inactive XDS Displays.

Read the topic below to know how to install the XDS Remote Administration Center.

5.2 Installing XDS Remote Administration Center

Procedure to install XDS Remote Administration Center

1. Follow the procedure in "Selecting the client application", page 127 to start the installation
2. Select **XDS Remote Administration Center**



Barco XDS Control Software Setup

Application selection

Select the XDS components Setup will install

Please check the checkbox of the XDS components you want to install.

☐ XDS Remote Control Center
☐ XDS Desktop Sharing
☑ XDS Remote Administration Center (Display Administrator

Description

XDS Remote Administration Center installation. Intended only for display administrators.

Image 5-1
Install XDS remote administration center

3. Click **Next>** to proceed
4. Read the instructions carefully from every wizard and click **Next>** to proceed to next steps
   Note: *The installation steps will be similar to* ***Installing XDS Remote Control Center.***

During installation, if you have selected the option to create a desktop shortcut, then you will find the shortcut for XDS Remote Administration Center on the desktop and also an icon will be visible on the tool bar.

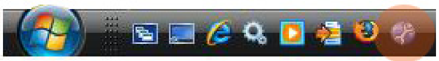


Image 5-2
Shortcut on the tool bar: XDS Remote Administration Center

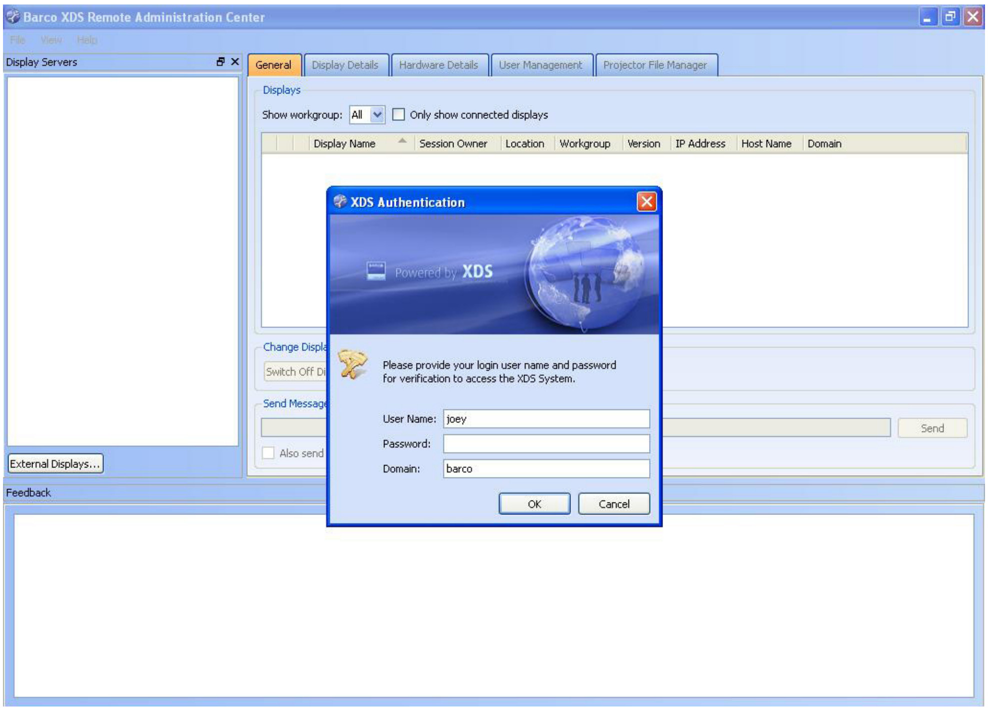
The topic below will let you know how to login to XDS Remote Administration Center.

5.3 Logging in to XDS Remote Administration Center

How to login to XDS Remote Administration Center?

1. Click on the **XDS Remote Administration Center** icon visible on your desktop
   Or, you can also launch the XDS Administration Center from Start menu > All Programs > Barco XDS Control Software > XDS Remote Administration Center.

   The **XDS Authentication** dialog opens.



Barco XDS Remote Administration Center
File View Help
Display Servers
General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Show workgroup: All
☐ Only show connected displays
Display Name
Session Owner
Location
Workgroup
Version
IP Address
Host Name
Domain
Change Displa
Switch Off Di
Send Messag
Send
☐ Also send
External Displays...
Feedback
XDS Authentication
Powered by XDS
OK
Cancel

Please provide your login user name and password for verification to access the XDS System.

User Name: joey
Password:
Domain: barco

Image 5-3

2. Enter the credentials of an XDS administrator
   Note: *The credentials should be of a valid user on the PC where XDS is running (Windows credentials). The username should also match the XDS Administrator name defined while configuring the XDS system.*

   Now you will be able to use the XDS Remote Administration Center interface.

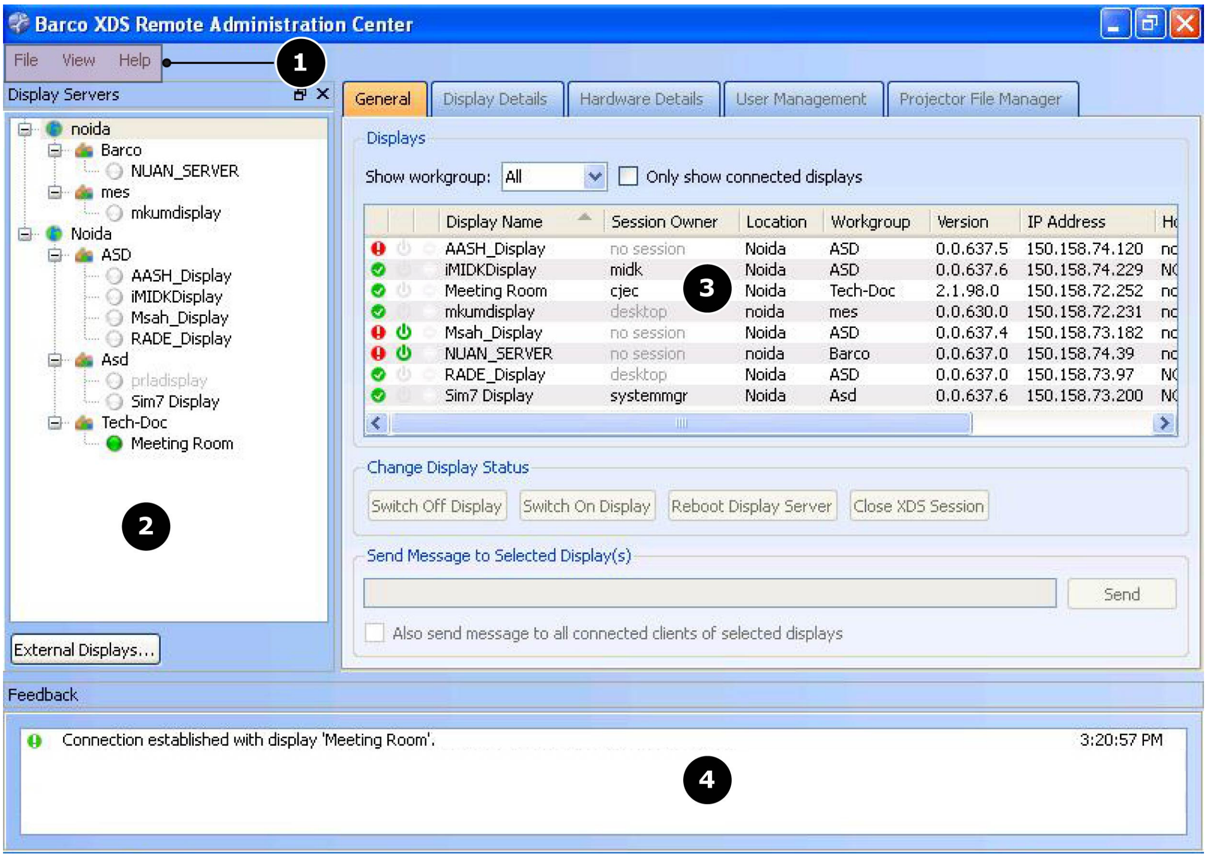
5.4 XDS Remote Administration Center interface

5.4.1 Introduction

Overview

The XDS Remote Administration Center interface consists of left, middle, and bottom pane.

- Menu bar: File, View, and Help menu enables you to exit the XDS Remote Administration Center application, hide/unhide feedback window and Display server pane, and view the information about XDS Remote Administration Center version number and module version number. See **Label 1**.
- Left pane: Displays all the available XDS Displays from the local subnet under their respective workgroup and location. The **External Displays** button enables you to scan for XDS Displays from another subnet. See **Label 2**.
- Middle pane: Displays the tabs such as **General**, **Display Details**, **Hardware Details**, and **User Management**. See **Label 3**.
- Bottom pane: Displays feedback messages of all the actions performed in the XDS Remote Administration Center. These feedback messages describe the status of the action performed. Feedback messages can be an information, a warning message or an error message. See **Label 4**.


Barco XDS Remote Administration Center
File
View
Help
1
Display Servers
noida
Barco
NUAN_SERVER
mes
mkumdisplay
Noida
ASD
AASH_Display
iMIDKDisplay
Msah_Display
RADE_Display
Asd
prladisplay
Sim7 Display
Tech-Doc
Meeting Room
2
External Displays...
General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
3
Change Display Status
Switch Off Display
Switch On Display
Reboot Display Server
Close XDS Session
Send Message to Selected Display(s)
Send
Feedback
4

Show workgroup: All

☐ Only show connected displays

	Display Name	Session Owner	Location	Workgroup	Version	IP Address	Hc
!	AASH_Display	no session	Noida	ASD	0.0.637.5	150.158.74.120	nc
✓	iMIDKDisplay	midk	Noida	ASD	0.0.637.6	150.158.74.229	NC
✓	Meeting Room	cjec	Noida	Tech-Doc	2.1.98.0	150.158.72.252	nc
✓	mkumdisplay	desktop	noida	mes	0.0.630.0	150.158.72.231	nc
!	Msah_Display	no session	Noida	ASD	0.0.637.4	150.158.73.182	nc
!	NUAN_SERVER	no session	noida	Barco	0.0.637.0	150.158.74.39	nc
✓	RADE_Display	desktop	Noida	ASD	0.0.637.0	150.158.73.97	NC
✓	Sim7 Display	systemmgr	Noida	Asd	0.0.637.6	150.158.73.200	NC

☐ Also send message to all connected clients of selected displays

Connection established with display 'Meeting Room'. 3:20:57 PM

Image 5-4
XDS Remote Administration Center interface

5.4.2 Menu bar

Using the menu bar

The menu items under **File**, **View**, and **Help** menu are displayed in the following image.

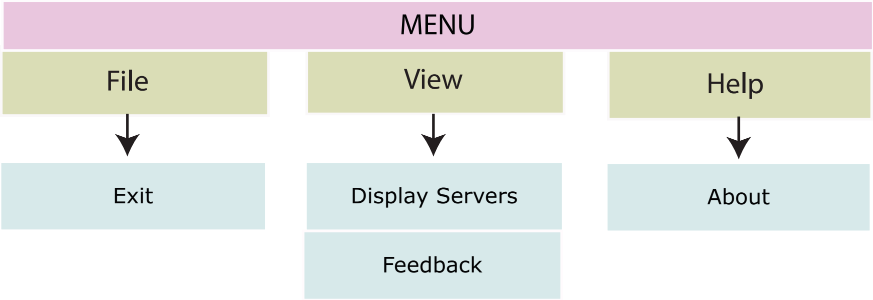

MENU
File
View
Help
Exit
Display Servers
Feedback
About

Image 5-5
XDS Remote Administration Center: Menu bar

5.4.3 Using the left pane

Display Servers pane

The scanned XDS Displays that you view in this pane can be in the following states:

- Running: entry will be displayed in black color. See **Label 1**.
- Stopped: entry will be grayed out. See **Label 2**.
- Connected: the LED adjacent to the entry will be displayed in green color. See **Label 3**.

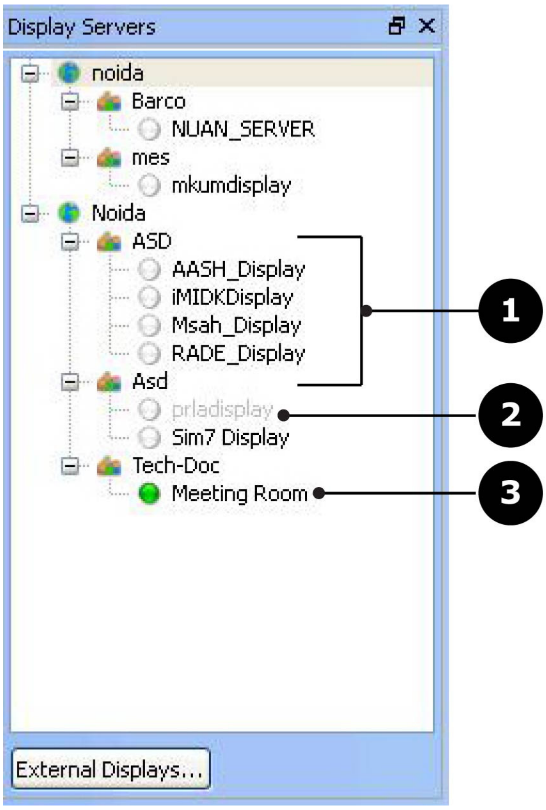

Display Servers
noida
Barco
NUAN_SERVER
mes
mkumdisplay
Noida
ASD
AASH_Display
iMIDKDisplay
Msah_Display
RADE_Display
Asd
prladisplay
Sim7 Display
Tech-Doc
Meeting Room
1
2
3
External Displays...

Image 5-6
Display Servers pane

From this pane, an admin user can connect to XDS Displays, disconnect from XDS Displays, remove inactive displays from the list, and add or remove external displays.

Connect to XDS Display(s)

An admin user needs to connect to an XDS Display to manage and view various details of a display.

1. On the Display Servers pane, right-click on a Display

   The shortcut menu opens.

2. Click **Connect**

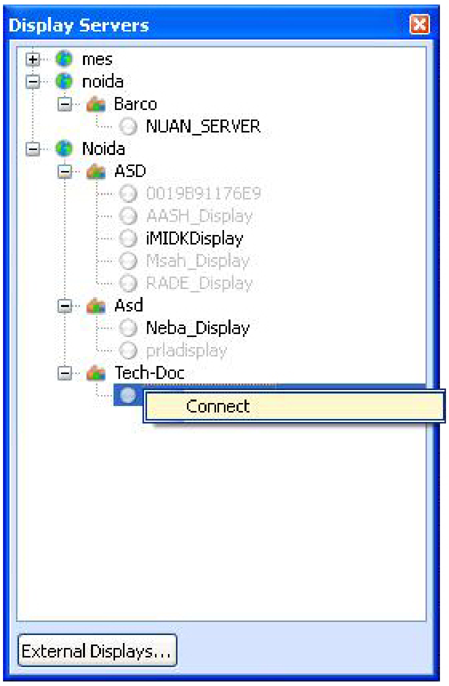

Display Servers
mes
noida
Barco
NUAN_SERVER
Noida
ASD
0019B91176E9
AASH_Display
iMIDKDisplay
Msah_Display
RADE_Display
Asd
Neba_Display
prladisplay
Tech-Doc
Connect
External Displays...

Image 5-7
Connect to a Display

Tip: *Right-click on a location name or a workgroup in the left pane and click* ***Connect*** *to connect to all the running displays under the selected location or workgroup.*

When the connection with the display is successfully established, the LED adjacent to the display will turn to green color.

Disconnect from XDS Display(s)

1. On the Display Servers pane, right-click on the connected Display
2. Click **Disconnect**

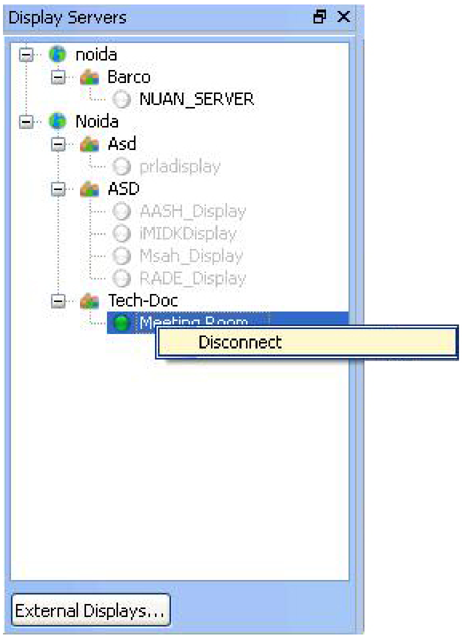

Display Servers
noida
Barco
NUAN_SERVER
Noida
Asd
prladisplay
ASD
AASH_Display
iMIDKDisplay
Msah_Display
RADE_Display
Tech-Doc
Meeting Room
Disconnect
External Displays...

Image 5-8
Disconnect from a display

Tip: *Right-click on a location name or workgroup item and click Disconnect to disconnect all the connected displays under the selected location or workgroup.*

When the Display is disconnected successfully, the LED adjacent to the display will turn to white color.

Remove inactive XDS Display(s)

In display servers pane some displays might not be running i.e. inactive, and the admin user can remove these displays.

1. On the Display Servers pane, right-click on an inactive display
2. Click **Delete**

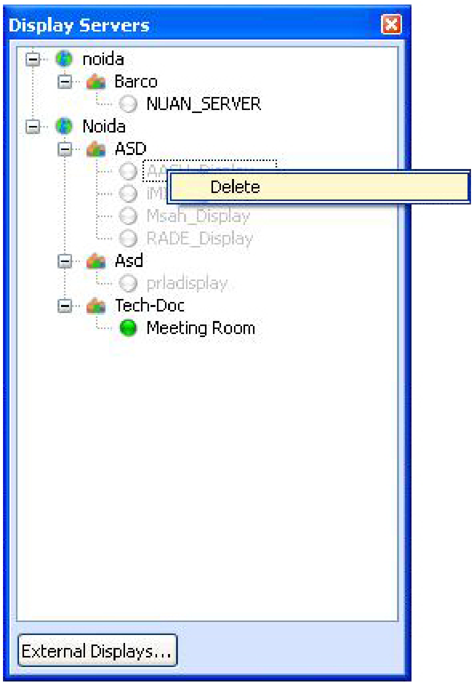

Display Servers
noida
Barco
NUAN_SERVER
Noida
ASD
iM
Delete
Msah_Display
RADE_Display
Asd
prladisplay
Tech-Doc
Meeting Room
External Displays...

Image 5-9
Delete a Display

Tip: *Right-click on a location name or workgroup item and click* ***Delete all non responding displays****. This will remove all the inactive displays under that location or workgroup item. The location name or workgroup entry will disappear if there is no item under it.*

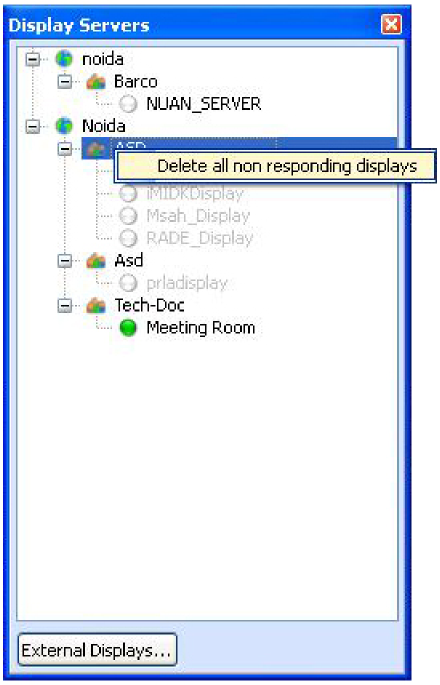

Display Servers
noida
Barco
NUAN_SERVER
Noida
ASD
Delete all non responding displays
iMIDKDisplay
Msah_Display
RADE_Display
Asd
prladisplay
Tech-Doc
Meeting Room
External Displays...

Image 5-10
Delete all non-responding displays

On selecting a single inactive display, that particular display will be removed from the Display Servers pane.

Using External Display button

An admin user can also extend the Display Servers list by adding XDS Displays installed in a different subnet. Generally, these external displays cannot be detected through the broadcast mechanism.

1. On the Display Servers pane, click **External Display…** button to add displays installed in a different subnet

   The **External Display** dialog opens.

2. Add the external displays from External Display dialog

   The selected displays will appear in the Display Server pane.

For more details on how to use the External Display button, see Connecting to displays in a different subnet.

Use the + or - button to maximize or minimize the tree view on the Display Servers pane.

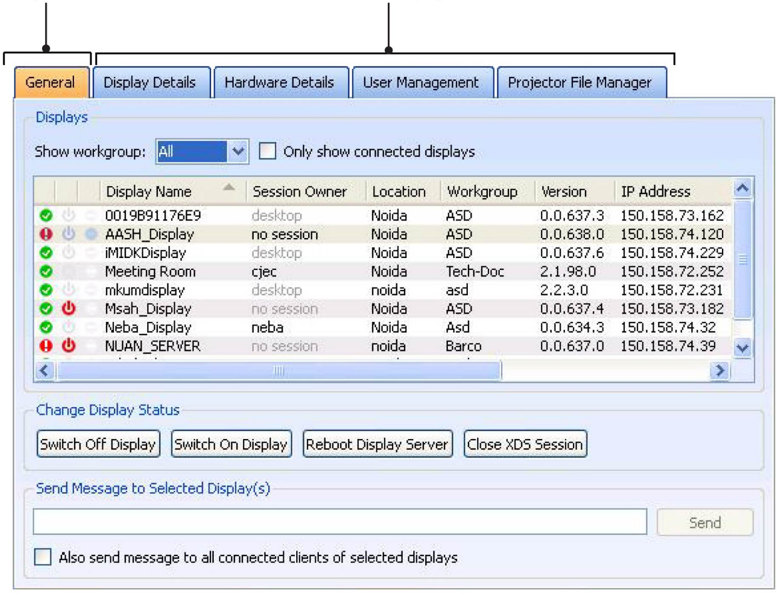
5.4.4 Using the Middle pane

Overview

- Using the tabs

Overview

When the admin user logs in to the XDS Remote Administration Center, the **General** tab in the middle pane is enabled by default. The other tabs such as, Display Details, Hardware Details, User Management, and Projector File Manager are display-specific and are enabled only when a connected display is selected from the Display Servers pane.


General tab, always enabled

Display specific tabs, enabled only when connected display is selected.

General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Change Display Status
Switch Off Display
Switch On Display
Reboot Display Server
Close XDS Session
Send Message to Selected Display(s)
Send

Show workgroup: All

☐ Only show connected displays

		Display Name	Session Owner	Location	Workgroup	Version	IP Address
✓		0019B91176E9	desktop	Noida	ASD	0.0.637.3	150.158.73.162
!		AASH_Display	no session	Noida	ASD	0.0.638.0	150.158.74.120
✓		iMIDKDisplay	desktop	Noida	ASD	0.0.637.6	150.158.74.229
✓		Meeting Room	cjec	Noida	Tech-Doc	2.1.98.0	150.158.72.252
✓		mkumdisplay	desktop	noida	asd	2.2.3.0	150.158.72.231
✓	⏻	Msah_Display	no session	Noida	ASD	0.0.637.4	150.158.73.182
✓		Neba_Display	neba	Noida	Asd	0.0.634.3	150.158.74.32
!	⏻	NUAN_SERVER	no session	noida	Barco	0.0.637.0	150.158.74.39

☐ Also send message to all connected clients of selected displays

Image 5-11
XDS Remote Administration Center: Middle pane

5.4.4.1 Using the tabs

Overview

- Using the General Tab
- Using the Display Details Tab
- Using the Hardware Details Tab
- Using the User Management Tab

Introduction

In the middle pane, you will find **General** tab, **Display Details** tab, **Hardware Details** tab, and **User Management** tab. The functions that you can perform using these tabs are described in detail in the following topics.

5.4.4.1.1 Using the General Tab

Overview

This tab shows generic information about all the running displays. You can filter the displays shown in this tab by specific Workgroups, from the **Show workgroup** drop-down list. You can also filter the displays shown in this tab to view only the connected displays by selecting the **Only show connected displays** check box.

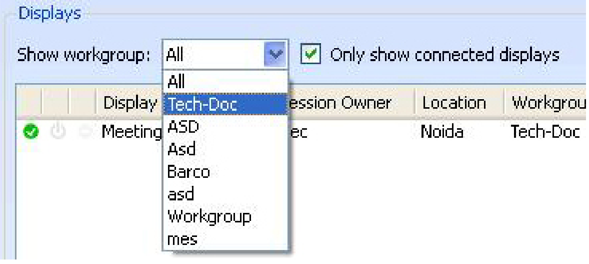

Displays
Show workgroup: All
☑ Only show connected displays
All
Tech-Doc
ASD
Asd
Barco
asd
Workgroup
mes
Display
ession Owner
Location
Workgrou
Meeting
ec
Noida
Tech-Doc

Image 5-12
Filter displays

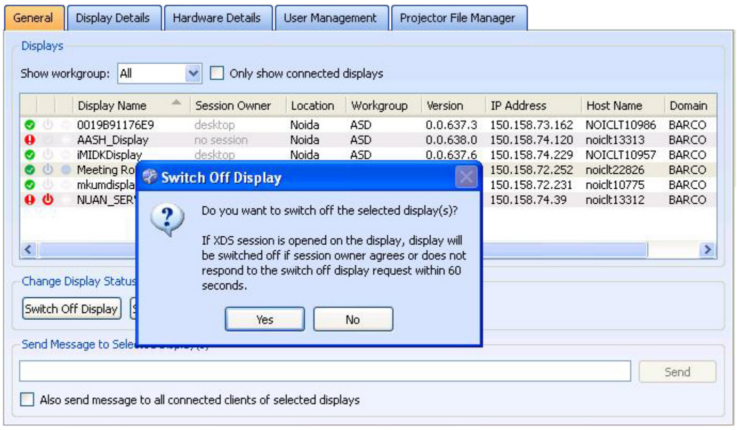
From this tab, you will find the following buttons: **Switch Off Display**, **Switch On Display**, **Reboot Display Server**, **Close XDS Session**, and **Send**. Initially all these action buttons are disabled. They are enabled as soon as one or more displays are selected in the general tab.

If the selected display is connected the command is send straight away. If the selected display is not connected, connection with the display is established internally for sending command and is broken afterwards. The usage of the action buttons is discussed in the topics below.

Switching Off Display

1. On the middle pane, from the **Display** section, select the desired display
2. Click **Switch Off Display**

   A confirmation message will appear, click **Yes** to confirm.


General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Change Display Status
Switch Off Display
Send Message to Sele
Send
Yes
No

Show workgroup: All

☐ Only show connected displays

Display Name	Session Owner	Location	Workgroup	Version	IP Address	Host Name	Domain
0019B91176E9	desktop	Noida	ASD	0.0.637.3	150.158.73.162	NOICLT10986	BARCO
AASH_Display	no session	Noida	ASD	0.0.638.0	150.158.74.120	noiclt13313	BARCO
iMIDKDisplay	desktop	Noida	ASD	0.0.637.6	150.158.74.229	NOICLT10957	BARCO
Meeting Ro					150.158.72.252	noiclt22826	BARCO
mkumdispla					150.158.72.231	noiclt10775	BARCO
NUAN_SER					150.158.74.39	noiclt13312	BARCO

Switch Off Display

Do you want to switch off the selected display(s)?

If XDS session is opened on the display, display will be switched off if session owner agrees or does not respond to the switch off display request within 60 seconds.

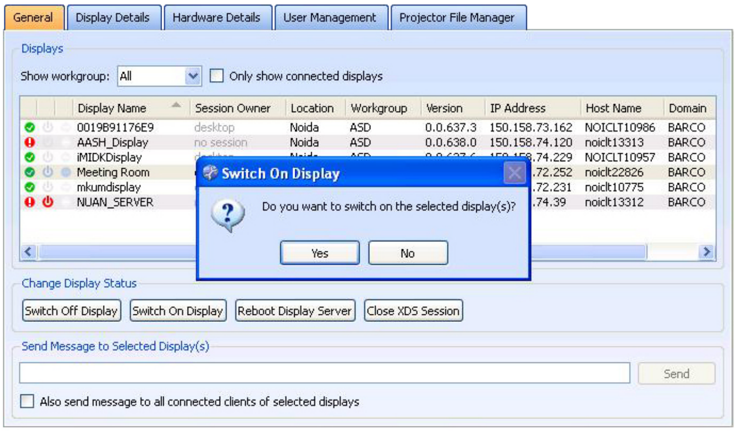
☐ Also send message to all connected clients of selected displays

Image 5-13
Switch Off Display

If XDS session is open on the selected XDS Display(s), a confirmation message will appear on the display asking the consent of the session owner. The display will be switched off if session owner agrees, or within 60 seconds when no response is received from the selected meeting room.

Switching On Display

1. On the middle pane, from the **Display** section, select the desired display


General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Show workgroup: All
☐ Only show connected displays
Change Display Status
Switch Off Display
Switch On Display
Reboot Display Server
Close XDS Session
Send Message to Selected Display(s)
Send
☐ Also send message to all connected clients of selected displays

Display Name	Session Owner	Location	Workgroup	Version	IP Address	Host Name	Domain
0019B91176E9	desktop	Noida	ASD	0.0.637.3	150.158.73.162	NOICLT10986	BARCO
AASH_Display	no session	Noida	ASD	0.0.638.0	150.158.74.120	noiclt13313	BARCO
iMIDKDisplay					.74.229	NOICLT10957	BARCO
Meeting Room					.72.252	noiclt22826	BARCO
mkumdisplay					.72.231	noiclt10775	BARCO
NUAN_SERVER					.74.39	noiclt13312	BARCO

Switch On Display

Do you want to switch on the selected display(s)?

Yes No

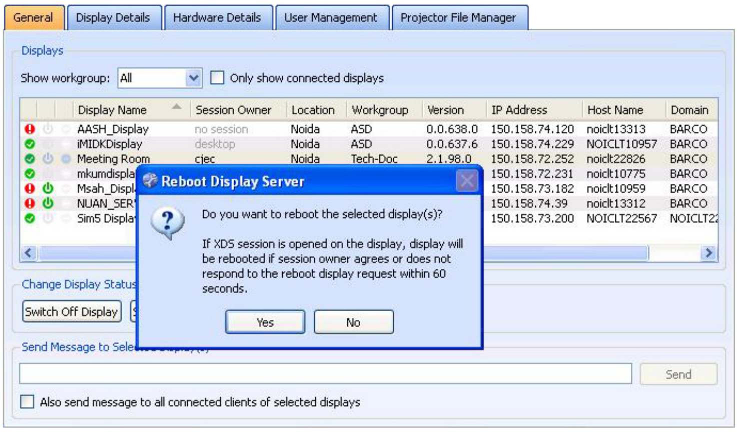
Image 5-14
Switch On Display

2. Click **Switch On Display**

   A confirmation message will appear, click **Yes** to confirm. The projector of the selected display(s) will be switched on.

Rebooting Display Server

1. On the middle pane, from the **Display** section, select the desired display
2. Click **Reboot Display Server**


General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Show workgroup: All
☐ Only show connected displays
Change Display Status
Switch Off Display
Send Message to Sele
Send
☐ Also send message to all connected clients of selected displays

Display Name	Session Owner	Location	Workgroup	Version	IP Address	Host Name	Domain
AASH_Display	no session	Noida	ASD	0.0.638.0	150.158.74.120	noiclt13313	BARCO
iMIDKDisplay	desktop	Noida	ASD	0.0.637.6	150.158.74.229	NOICLT10957	BARCO
Meeting Room	cjec	Noida	Tech-Doc	2.1.98.0	150.158.72.252	noiclt22826	BARCO
mkumdispla					150.158.72.231	noiclt10775	BARCO
Msah_Displ					150.158.73.182	noiclt10959	BARCO
NUAN_SER					150.158.74.39	noiclt13312	BARCO
Sim5 Displa					150.158.73.200	NOICLT22567	NOICLT2

Reboot Display Server

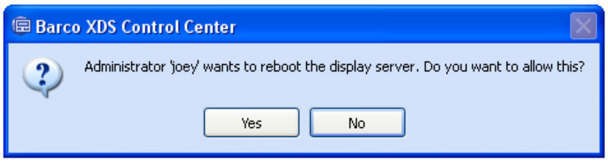
Do you want to reboot the selected display(s)?

If XDS session is opened on the display, display will be rebooted if session owner agrees or does not respond to the reboot display request within 60 seconds.

Yes No

Image 5-15
Reboot Display server

A confirmation message will appear, click Yes to confirm. If XDS session is open on the selected XDS Display(s), a confirmation message will appear on the display asking the consent of the session owner.



Barco XDS Control Center

Administrator 'joey' wants to reboot the display server. Do you want to allow this?

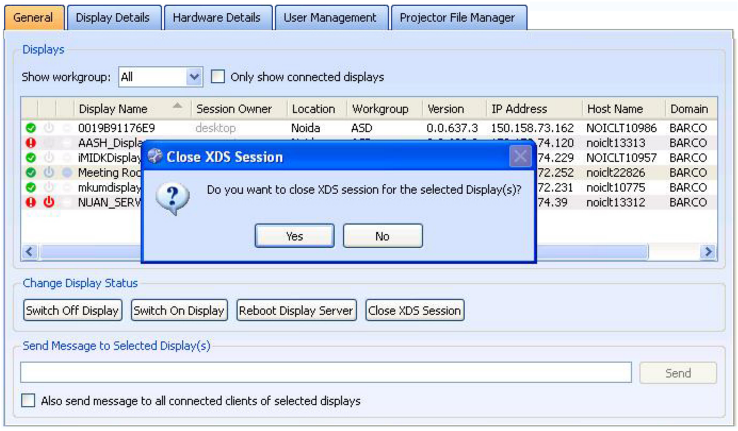
Yes No

Image 5-16
Confirmation dialog

The display will be rebooted if session owner agrees, or within 60 seconds when no response is received from the selected meeting room.

Closing the XDS session

1. On the middle pane, from the **Display**, select the desired display
2. Click **Close XDS session**


General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Change Display Status
Switch Off Display
Switch On Display
Reboot Display Server
Close XDS Session
Send Message to Selected Display(s)
Send
Yes
No

Show workgroup: All

☐ Only show connected displays

		Display Name	Session Owner	Location	Workgroup	Version	IP Address	Host Name	Domain
✓		0019B91176E9	desktop	Noida	ASD	0.0.637.3	150.158.73.162	NOICLT10986	BARCO
!		AASH_Displa					74.120	noiclt13313	BARCO
✓		iMIDKDisplay					74.229	NOICLT10957	BARCO
✓	⏻	Meeting Roo					72.252	noiclt22826	BARCO
✓		mkumdisplay					72.231	noiclt10775	BARCO
!	⏻	NUAN_SERV					74.39	noiclt13312	BARCO

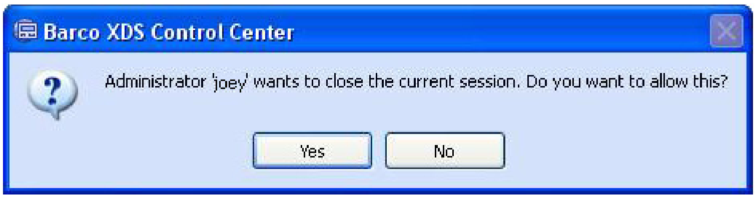
Close XDS Session

Do you want to close XDS session for the selected Display(s)?

☐ Also send message to all connected clients of selected displays

Image 5-17

A confirmation message will appear, click **Yes** to confirm. If XDS session is open on the selected XDS Display(s), a confirmation message will appear on the display asking the consent of the session owner.



Barco XDS Control Center

Administrator 'joey' wants to close the current session. Do you want to allow this?

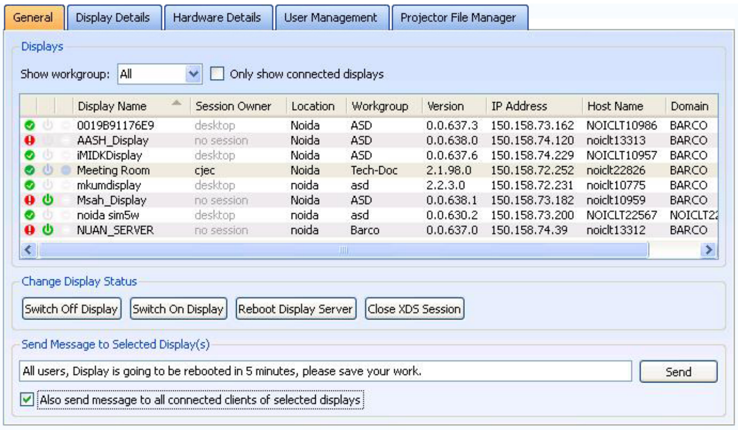
Image 5-18
Confirmation dialog

The session will be closed if session owner agrees, or within 60 seconds when no response is received from the selected meeting room.

Sending message to Display(s)

An admin user can send custom messages to selected displays, and the connected clients of that particular display.

1. On the middle pane, from the **Display**, select the desired display(s)
2. In the **Send Message to selected Display(s)** text box, type the message
3. Click **Send**


General
Display Details
Hardware Details
User Management
Projector File Manager
Displays
Change Display Status
Switch Off Display
Switch On Display
Reboot Display Server
Close XDS Session
Send Message to Selected Display(s)
Send

Show workgroup: All

☐ Only show connected displays

		Display Name	Session Owner	Location	Workgroup	Version	IP Address	Host Name	Domain
✓		0019B91176E9	desktop	Noida	ASD	0.0.637.3	150.158.73.162	NOICLT10986	BARCO
!		AASH_Display	no session	Noida	ASD	0.0.638.0	150.158.74.120	noiclt13313	BARCO
✓		iMIDKDisplay	desktop	Noida	ASD	0.0.637.6	150.158.74.229	NOICLT10957	BARCO
✓	⏻	Meeting Room	cjec	Noida	Tech-Doc	2.1.98.0	150.158.72.252	noiclt22826	BARCO
✓		mkumdisplay	desktop	noida	asd	2.2.3.0	150.158.72.231	noiclt10775	BARCO
!	⏻	Msah_Display	no session	Noida	ASD	0.0.638.1	150.158.73.182	noiclt10959	BARCO
✓		noida sim5w	desktop	noida	asd	0.0.630.2	150.158.73.200	NOICLT22567	NOICLT2
!	⏻	NUAN_SERVER	no session	noida	Barco	0.0.637.0	150.158.74.39	noiclt13312	BARCO

All users, Display is going to be rebooted in 5 minutes, please save your work.

☑ Also send message to all connected clients of selected displays

Image 5-19
Send message to selected Display(s)

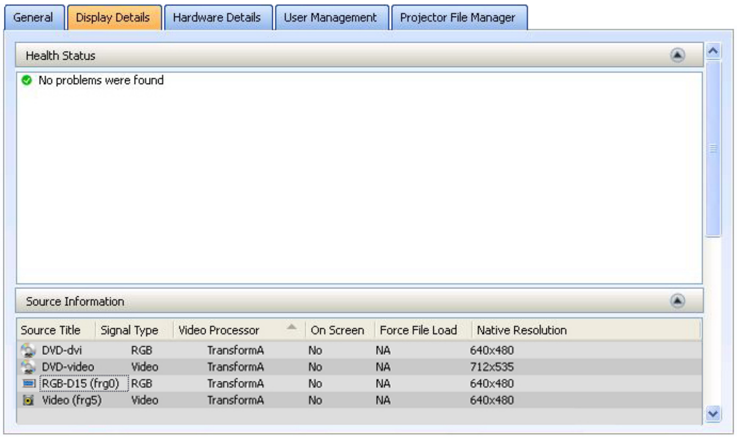
The message is send to the selected display(s).

To send message to the connected clients of the selected display(s) also, check **Also send message to all connected clients of selected displays** check box.

5.4.4.1.2 Using the Display Details Tab

Display Details tab

This tab is enabled when a connected display is selected in the **Display Servers** pane.


General
Display Details
Hardware Details
User Management
Projector File Manager
Health Status

No problems were found

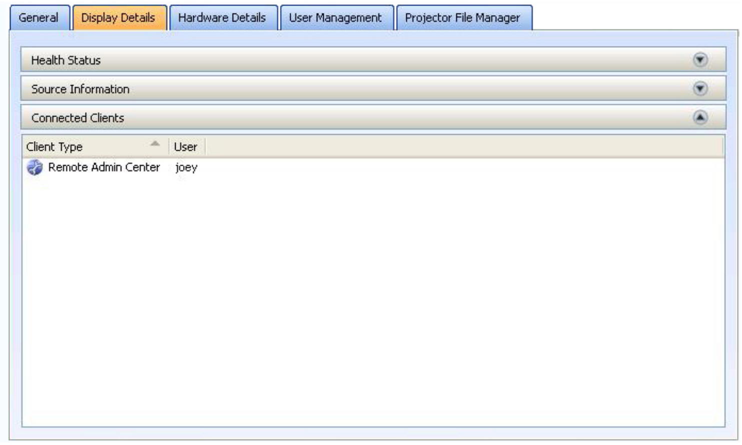
Source Information

Source Title	Signal Type	Video Processor	On Screen	Force File Load	Native Resolution
DVD-dvi	RGB	TransformA	No	NA	640x480
DVD-video	Video	TransformA	No	NA	712x535
RGB-D15 (frg0)	RGB	TransformA	No	NA	640x480
Video (frg5)	Video	TransformA	No	NA	640x480

Image 5-20
Display Details tab

When you click on this tab, the following data is displayed:

- Health status : Shows the current health status of the display depending upon the health of the hardware attached to it.
- Source information : Displays the name of the sources connected to the display, source input type, video processor type, if the source is displayed on screen, the name of the file if force file load is enabled, and native resolution of the source.
- Connected Clients : List all the client applications which are currently connected to the display, and the current user of the client.


General
Display Details
Hardware Details
User Management
Projector File Manager
Health Status
Source Information
Connected Clients

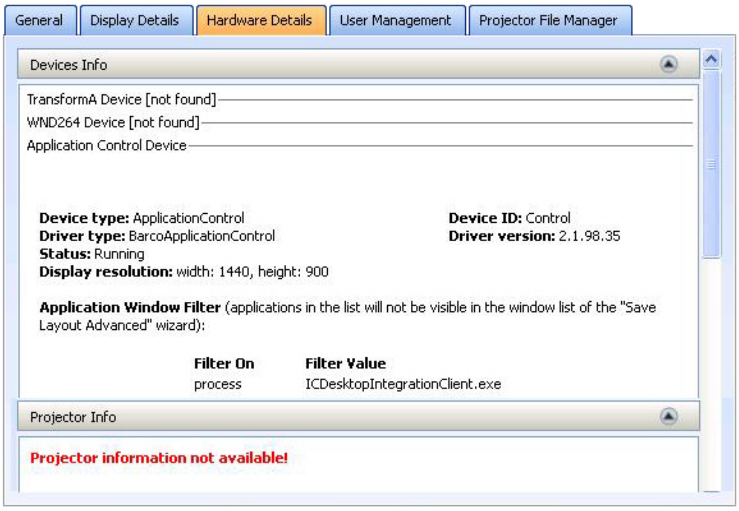
Client Type	User
Remote Admin Center	joey

Image 5-21
Client information

5.4.4.1.3 Using the Hardware Details Tab

Hardware Details tab

This tab is enabled when a connected display is selected in the **Display Servers** pane.


General
Display Details
Hardware Details
User Management
Projector File Manager

Devices Info

TransformA Device [not found]
WND264 Device [not found]
Application Control Device

Device type: ApplicationControl
Driver type: BarcoApplicationControl
Status: Running
Display resolution: width: 1440, height: 900
Device ID: Control
Driver version: 2.1.98.35

Application Window Filter (applications in the list will not be visible in the window list of the "Save Layout Advanced" wizard):

Filter On	Filter Value
process	ICDesktopIntegrationClient.exe

Projector Info

Projector information not available!

Image 5-22
Hardware Details tab

On click of this tab, you can view the following information of the selected display.

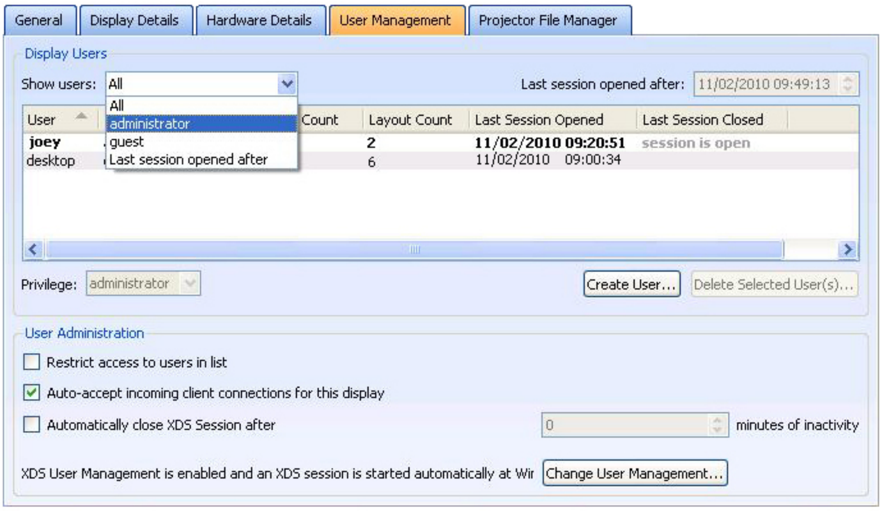
- Device Information : Shows information about devices which are connected to the display such as, Transform A device, WND device, Application control device, and Matrix Device
- Projector Information : Shows information of the projector connected to the display such as, projector type, power status, and projector’s lamp details. If a device is not connected to the display, it is shown as **Not Available** in the hardware details tab.

5.4.4.1.4 Using the User Management Tab

Overview

This tab displays information and controls for different users of the XDS display system. The information about the users who are currently using the display such as, privilege of the users, number of layouts and presentations of each user, and session related information are displayed. The name of the user who is currently the session owner of the Display is highlighted in bold.

An admin user can filter the XDS Display users based on privileges and the time stamp of opened XDS sessions.


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
All
administrator
guest
Last session opened after
Create User...
Delete Selected User(s)...
User Administration
Change User Management...

Show users: All

Last session opened after: 11/02/2010 09:49:13

User	Count	Layout Count	Last Session Opened	Last Session Closed
joey		**2**	**11/02/2010 09:20:51**	session is open
desktop		6	11/02/2010 09:00:34	

Privilege: administrator

☐ Restrict access to users in list
☑ Auto-accept incoming client connections for this display
☐ Automatically close XDS Session after 0 minutes of inactivity

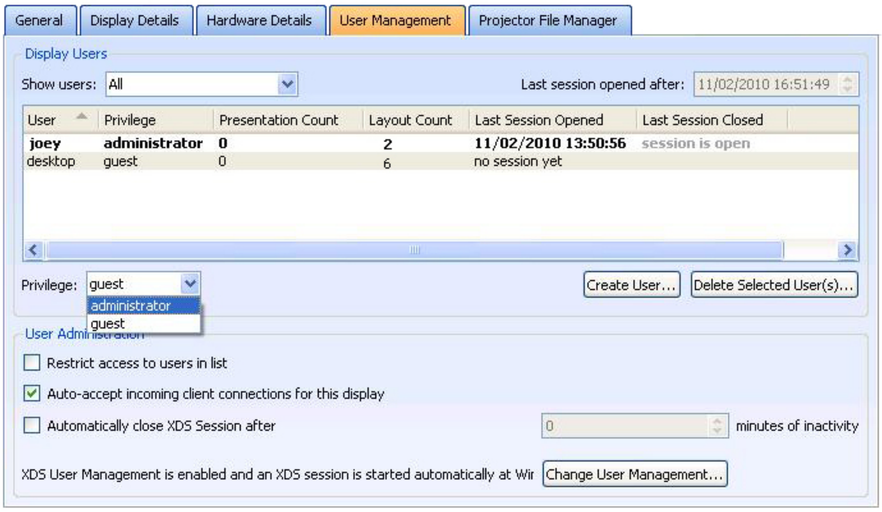
XDS User Management is enabled and an XDS session is started automatically at Wir

Image 5-23
Filter users

The other operations that you can perform from this view is discussed in the following topics.

Changing user privilege

1. Click **User Management** tab
2. Select the user from the list
3. From the **Privilege** drop-down list, select the privilege for the selected user


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
administrator
guest
Create User...
Delete Selected User(s)...
User Administration
Change User Management...

Show users: All

Last session opened after: 11/02/2010 16:51:49

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
joey	**administrator**	**0**	2	**11/02/2010 13:50:56**	session is open
desktop	guest	0	6	no session yet	

Privilege: guest

☐ Restrict access to users in list

☑ Auto-accept incoming client connections for this display

☐ Automatically close XDS Session after 0 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Wir

Image 5-24
Change user privilege

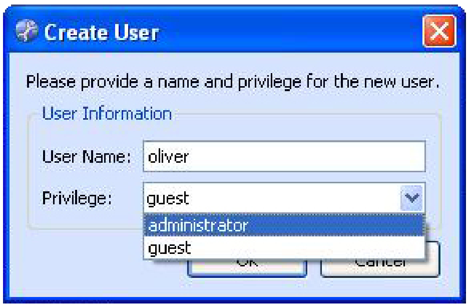
The privilege of the selected user will be changed to the specified privilege:

- if the XDS session is not open for the selected user
- if the user is not the current user of XDS Remote Administration Center

Adding a new user

An admin user can create user(s) with Administrator or Guest privilege.

1. From the middle pane, click **Create User**
   The **Create User** dialog box will appear.


Create User
User Information
administrator
guest
OK
Cancel

Please provide a name and privilege for the new user.

User Name: oliver

Privilege: guest

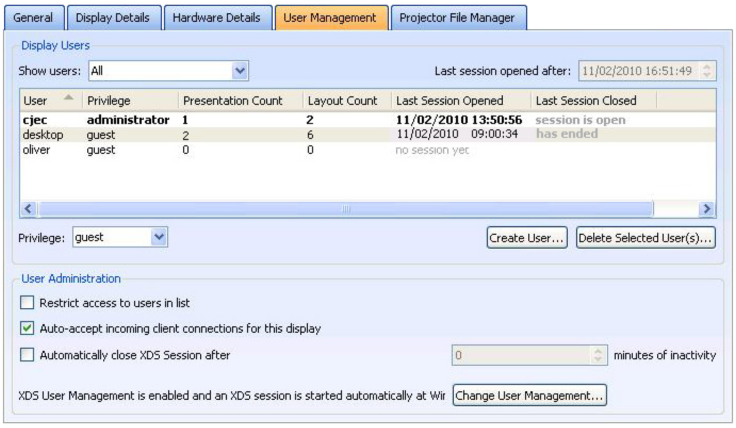
Image 5-25
Add new user

2. In the **User Name** text field, enter the new user name

3. From the **Privilege** drop-down list, select the privilege

4. Click **OK** to confirm

   The new user will be added to the list. You can view the name in the middle pane.


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
Create User...
Delete Selected User(s)...
User Administration
Change User Management...

Show users: All

Last session opened after: 11/02/2010 16:51:49

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
cjec	**administrator**	**1**	2	**11/02/2010 13:50:56**	session is open
desktop	guest	2	6	11/02/2010 09:00:34	has ended
oliver	guest	0	0	no session yet	

Privilege: guest

☐ Restrict access to users in list

☑ Auto-accept incoming client connections for this display

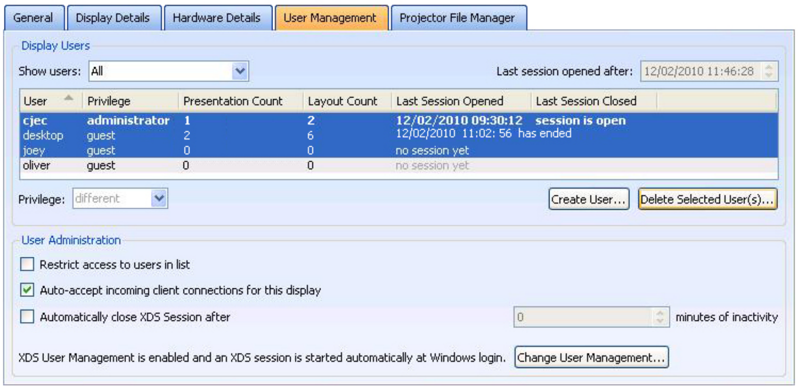
☐ Automatically close XDS Session after 0 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Wir

Image 5-26
New user added to the list

Delete user(s)

1. From the middle pane, select a user or press **CTRL** and select multiple users
2. Click **Delete Selected User(s)**


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
Create User…
Delete Selected User(s)…
User Administration
Change User Management…

Show users: All

Last session opened after: 12/02/2010 11:46:28

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
cjec	**administrator**	**1**	**2**	**12/02/2010 09:30:12**	**session is open**
desktop	guest	2	6	12/02/2010 11:02: 56	has ended
joey	guest	0	0	no session yet	
oliver	guest	0	0	no session yet	

Privilege: different

☐ Restrict access to users in list

☑ Auto-accept incoming client connections for this display

☐ Automatically close XDS Session after 0 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Windows login.

Image 5-27
Delete users

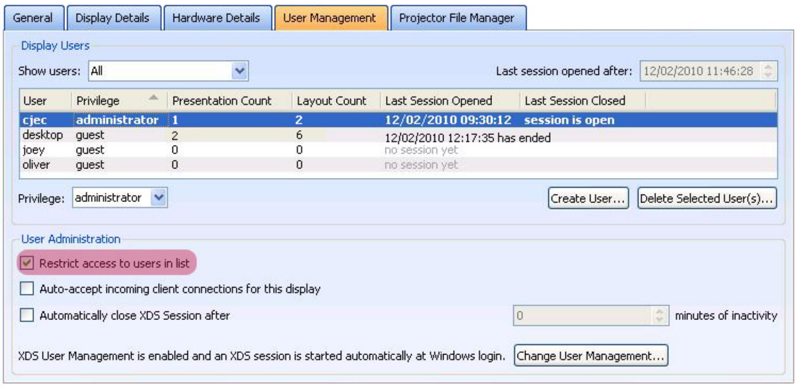
A confirmation message will appear.

3. Click **Yes** to confirm
   The user's account will be deleted if an XDS session is not currently open for the selected user, and Layouts and presentations created by that particular user will also be deleted.

Restricting user access

An admin user can restrict access to the XDS Display to a limited list of users. No other users will be able to able to open a session on this display.

1. Check the **Restrict the users in list** check box to restrict the access to XDS display only to these users


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
Create User…
Delete Selected User(s)…
User Administration
Change User Management…

Show users: All

Last session opened after: 12/02/2010 11:46:28

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
cjec	**administrator**	**1**	**2**	**12/02/2010 09:30:12**	**session is open**
desktop	guest	2	6	12/02/2010 12:17:35	has ended
joey	guest	0	0	no session yet	
oliver	guest	0	0	no session yet	

Privilege: administrator

☑ Restrict access to users in list

☐ Auto-accept incoming client connections for this display

☐ Automatically close XDS Session after 0 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Windows login.

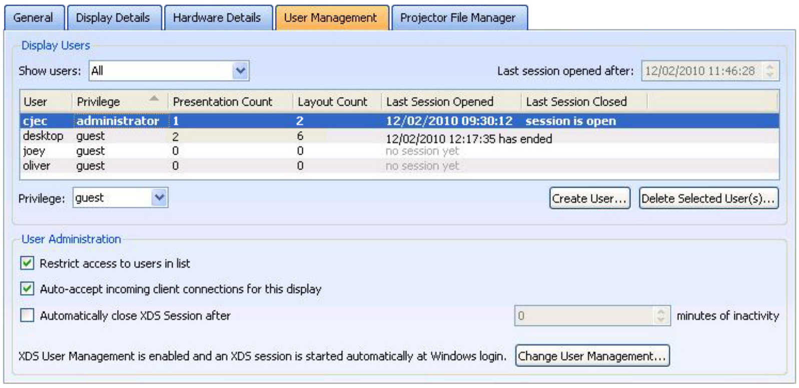
Image 5-28
Restrict user access

2. Uncheck the **Restrict the users in list** check box to allow all the users to open a session on the display

Auto accept incoming client connection

On enabling this option, all the client connection requests will be automatically accepted without displaying the confirmation dialog to XDS session owner.

- Check **Auto-accept incoming client connection for this display** check box


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
Create User...
Delete Selected User(s)...
User Administration
Change User Management...

Show users: All

Last session opened after: 12/02/2010 11:46:28

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
cjec	administrator	1	2	12/02/2010 09:30:12	session is open
desktop	guest	2	6	12/02/2010 12:17:35 has ended	
joey	guest	0	0	no session yet	
oliver	guest	0	0	no session yet	

Privilege: guest

☑ Restrict access to users in list

☑ Auto-accept incoming client connections for this display

☐ Automatically close XDS Session after 0 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Windows login.

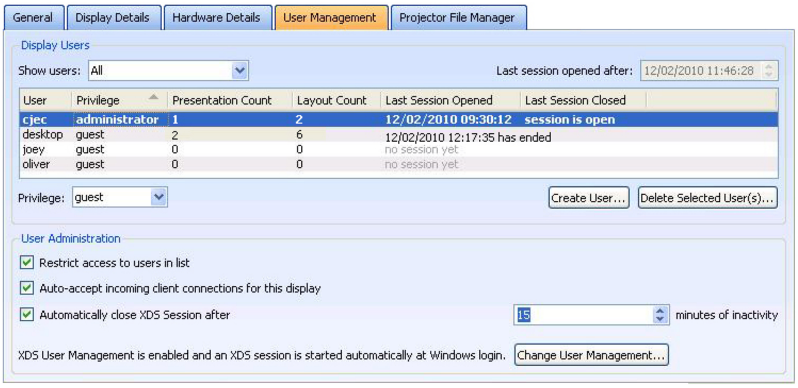
Image 5-29
Auto accept incoming client connection

If Don't Disturb my meeting option is on, then this function will not have an effect.

Auto logout timer settings

An admin user can enable this option to automatically close an XDS session on the XDS Display after a defined interval of time, if no activity is detected in that specified period of time.

1. Check Automatically close XDS session after check box


General
Display Details
Hardware Details
User Management
Projector File Manager
Display Users
Create User...
Delete Selected User(s)...
User Administration
Change User Management...

Show users: All

Last session opened after: 12/02/2010 11:46:28

User	Privilege	Presentation Count	Layout Count	Last Session Opened	Last Session Closed
cjec	administrator	1	2	12/02/2010 09:30:12	session is open
desktop	guest	2	6	12/02/2010 12:17:35 has ended	
joey	guest	0	0	no session yet	
oliver	guest	0	0	no session yet	

Privilege: guest

☑ Restrict access to users in list

☑ Auto-accept incoming client connections for this display

☑ Automatically close XDS Session after 15 minutes of inactivity

XDS User Management is enabled and an XDS session is started automatically at Windows login.

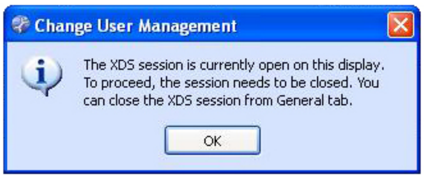
Image 5-30
Auto logout timer settings

The adjacent edit box is enabled.

2. Specify the time interval in the corresponding edit box

Changing User Management settings

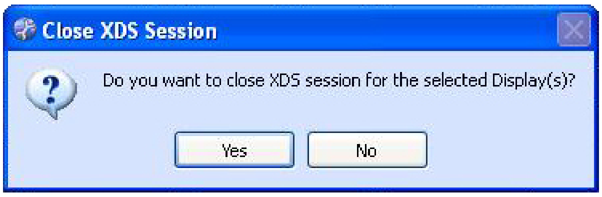
The XDS session must be closed on the XDS Display before the User Management settings can be changed. If the XDS session is open on the XDS Display, then the following message will appear on your desktop.


Change User Management
OK

The XDS session is currently open on this display. To proceed, the session needs to be closed. You can close the XDS session from General tab.

Image 5-31
Change User Management: Confirm session close

A confirmation dialog will appear on your desktop.



Do you want to close XDS session for the selected Display(s)?

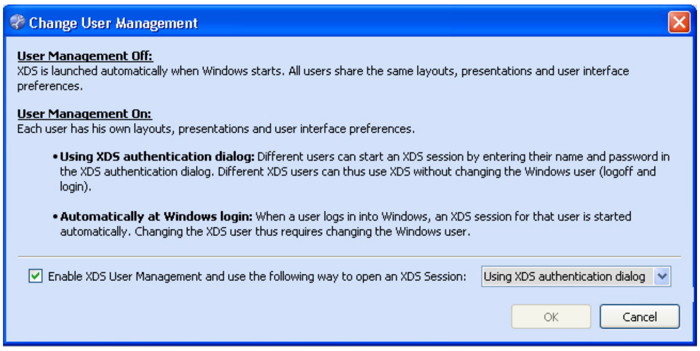
Image 5-32
Confirmation dialog

Click **Yes** to confirm and close the session. Now click **Change User management** to make the necessary changes.

How to change User Management settings?

1. In the middle pane, click **Change User management**

   A dialog will appear now.



User Management Off:
XDS is launched automatically when Windows starts. All users share the same layouts, presentations and user interface preferences.

User Management On:
Each user has his own layouts, presentations and user interface preferences.

- **Using XDS authentication dialog:** Different users can start an XDS session by entering their name and password in the XDS authentication dialog. Different XDS users can thus use XDS without changing the Windows user (logoff and login).
- **Automatically at Windows login:** When a user logs in into Windows, an XDS session for that user is started automatically. Changing the XDS user thus requires changing the Windows user.

☑ Enable XDS User Management and use the following way to open an XDS Session: Using XDS authentication dialog

Image 5-33
Change User Management dialog

2. Check the box to enable User Management, or uncheck the box to disable User Management
3. From the drop-down list, select the user login mode
4. After making the required settings, click **OK**

   A confirmation dialog will appear asking to reboot the system.
5. Click **Yes** to confirm

   The system will reboot and XDS Software will start with the altered User Management settings.

6. INSTALLATION AND UPDATION OF CLIENT SOFTWARE

Overview

- Introduction
- Minimum system requirements
- Installation of client software
- Updating/Uninstalling the client software

6.1 Introduction

Overview

The XDS Desktop Sharing client, XDS Remote Control Center and XDS Remote Administration Center are the three client softwares of XDS. By installing the XDS Desktop Sharing software on a machine, you can share the desktop of that machine to a single XDS display or multiple XDS displays through the network. By installing the XDS remote control center on a machine, you can remotely control an XDS Display system through that machine. By installing the XDS Remote Administration Center, you can manage and diagnose XDS display systems remotely through that machine.

Target systems to install the client software

The client software can be installed on laptops or workstations.

6.2 Minimum system requirements

Overview

The minimum system requirements for installing the client software are:

- **Operating System**: Windows XP, Vista or Windows 7
- **Processor**: Pentium 500 MHz
- **Memory**: 1 GB or more
- **LAN**: 100 MBit LAN
- **Hard Disk**: 40 GB or more

6.3 Installation of client software

XDS does not support forward/backward compatibility. Every client and display software to be installed must be of the same version for the application to work.

The XDS version numbering is as follows A.B.C.D., for e.g. 2.1.98.0. If the A part of the client version is different from A part of the display system version then the client will not able be able to connect with the display system server. We do not have to take B, C and D into consideration as it does not affect the functionality of the application.

6.3.1 Selecting the client application

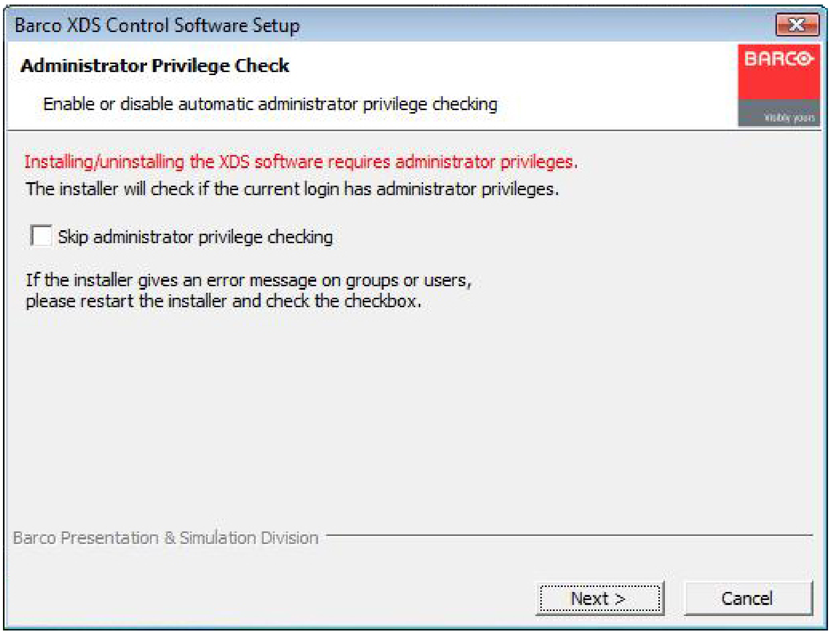
Make sure you are logged in with administrator privileges.

Procedure to select the client application

1. After reading the XDS installation CD, double-click on **XDS_x.x.xx.x_Clients.exe** file to install the client software, where 'x' refers to the version number

   The **Barco XDS Control Software Setup** wizard opens.

2. Click **Next>** after every step to proceed further
3. By default the installer checks for administrator privileges. If the automatic administrator check gives an error even though you have administrator permissions, then check the box to **Skip administrator privilege checking**


Barco XDS Control Software Setup
Administrator Privilege Check
Enable or disable automatic administrator privilege checking
BARCO
Barco Presentation & Simulation Division
Next >
Cancel

Installing/uninstalling the XDS software requires administrator privileges.
The installer will check if the current login has administrator privileges.

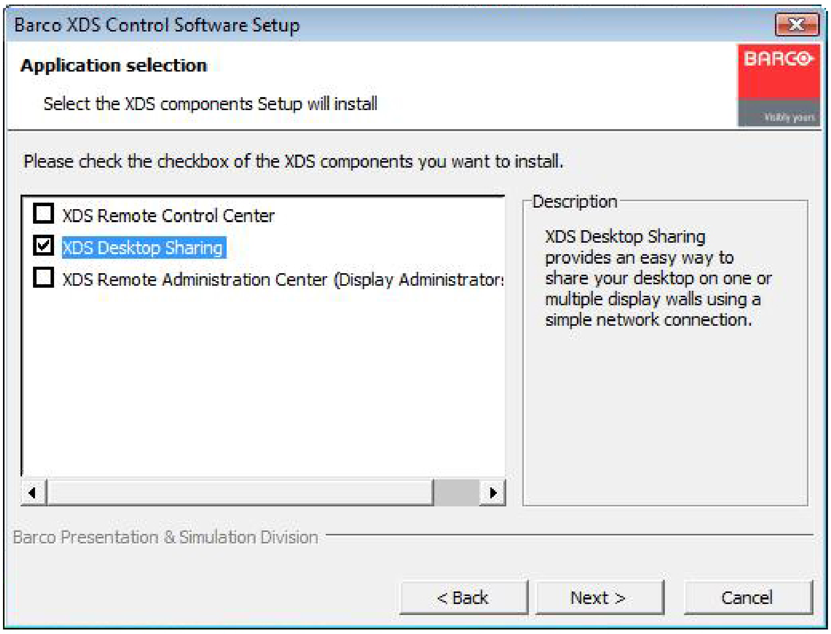
☐ Skip administrator privilege checking

If the installer gives an error message on groups or users, please restart the installer and check the checkbox.

Image 6-1
Enable/disable administrator privilege check

Note: *You must have administrative privilege on the PC, on which you desire to run the client installer.*

4. Select the application you want to install on your PC


Barco XDS Control Software Setup
Application selection
Select the XDS components Setup will install
BARCO
Description
Barco Presentation & Simulation Division
< Back
Next >
Cancel

Please check the checkbox of the XDS components you want to install.

☐ XDS Remote Control Center
☑ XDS Desktop Sharing
☐ XDS Remote Administration Center (Display Administrator

XDS Desktop Sharing provides an easy way to share your desktop on one or multiple display walls using a simple network connection.

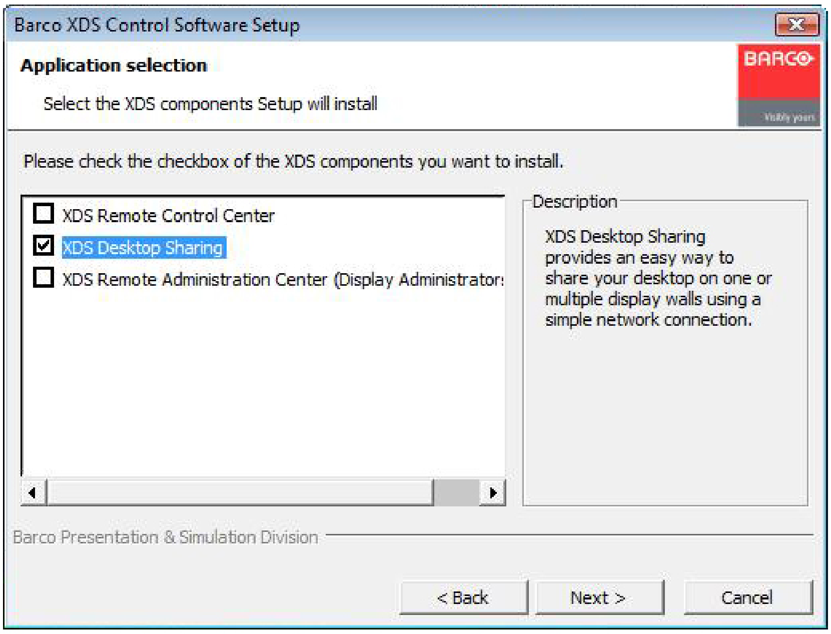
Image 6-2
Select the client application

5. Click **Next>** to proceed
   Note: *To install XDS Remote Administration Center, please refer to* ***XDS Software Reference Guide****.*

6.3.2 Installing XDS Desktop Sharing client

Procedure to install XDS desktop sharing

1. While running the XDS client installer, you will be prompted to select the application you want to install. Select **XDS Desktop Sharing**



Application selection

Select the XDS components Setup will install

Please check the checkbox of the XDS components you want to install.

☐ XDS Remote Control Center
☑ XDS Desktop Sharing
☐ XDS Remote Administration Center (Display Administrator:

Description

XDS Desktop Sharing provides an easy way to share your desktop on one or multiple display walls using a simple network connection.

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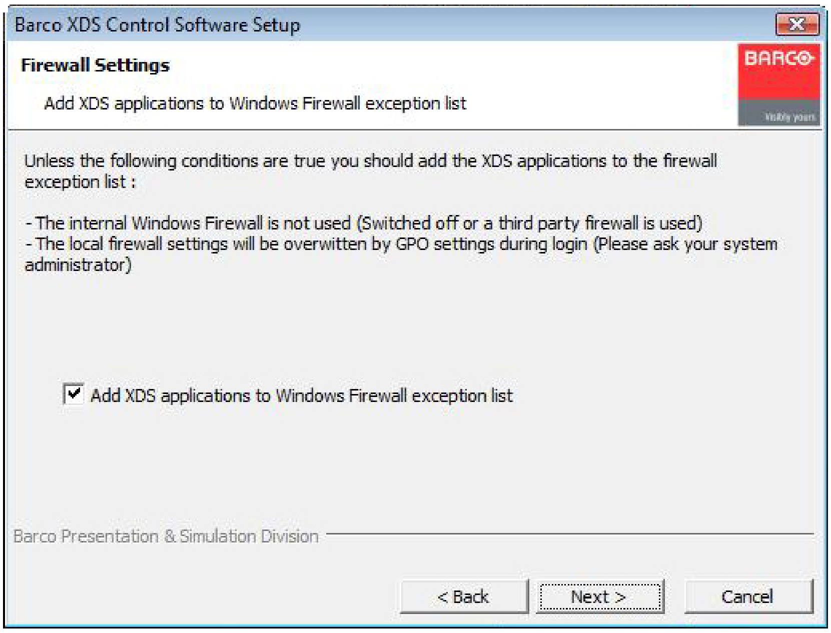
Image 6-3
Select XDS Desktop Sharing application

2. Click **Next>**



Firewall Settings

Add XDS applications to Windows Firewall exception list

Unless the following conditions are true you should add the XDS applications to the firewall exception list :

- The internal Windows Firewall is not used (Switched off or a third party firewall is used)
- The local firewall settings will be overwitten by GPO settings during login (Please ask your system administrator)

☑ Add XDS applications to Windows Firewall exception list

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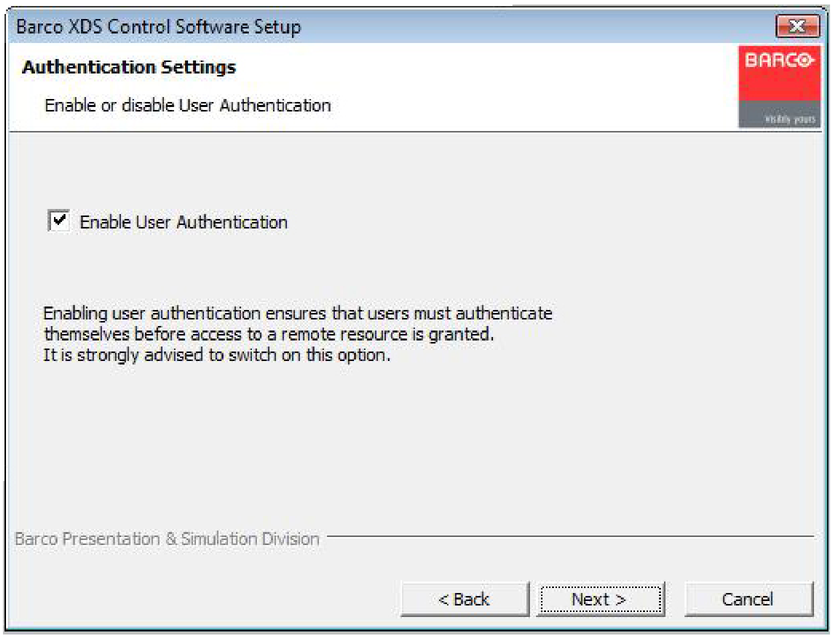
Image 6-4
Firewall exception list

3. If you want to add the XDS application to the Windows firewall exception list, then check this option
   Note: *Make sure you add XDS to the exceptions list if the displayed conditions are not met, or the firewall might block broadcast messages on XDS display*

4. Click **Next>** to proceed



Barco XDS Control Software Setup

Authentication Settings

Enable or disable User Authentication

☑ Enable User Authentication

Enabling user authentication ensures that users must authenticate themselves before access to a remote resource is granted.
It is strongly advised to switch on this option.

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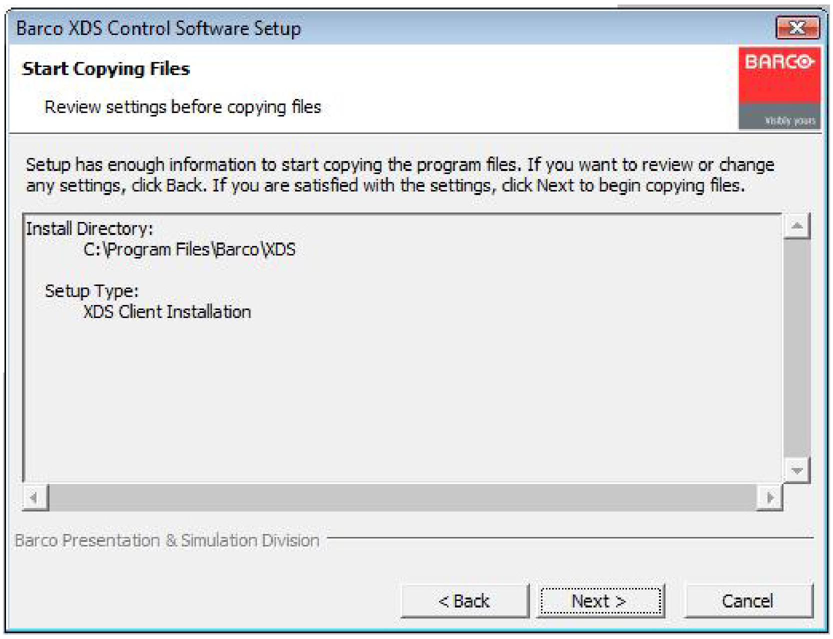
< Back
Next >
Cancel

Image 6-5
Enable user authentication

5. If you want the user of the XDS display to be authenticated before launching your desktop, then check this option
6. Click **Next>** to proceed



Barco XDS Control Software Setup

Start Copying Files

Review settings before copying files

Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.

Install Directory:
C:\Program Files\Barco\XDS

Setup Type:
XDS Client Installation

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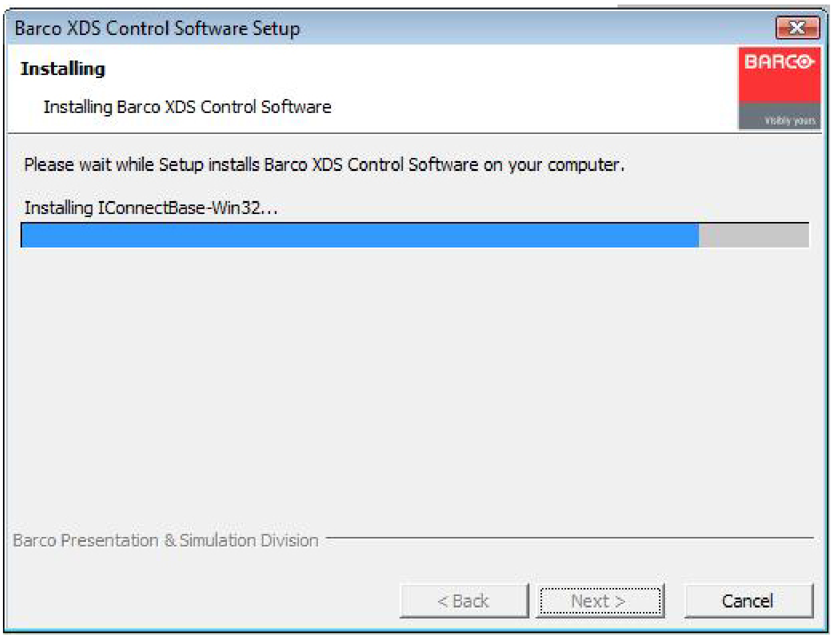
< Back
Next >
Cancel

Image 6-6
Start copying client installation files

A window that displays the installation directory and the setup type will open.

7. Click **Next>** to proceed


Barco XDS Control Software Setup
BARCO
Visibly yours
< Back
Next >
Cancel

Installing

Installing Barco XDS Control Software

Please wait while Setup installs Barco XDS Control Software on your computer.

Installing IConnectBase-Win32...

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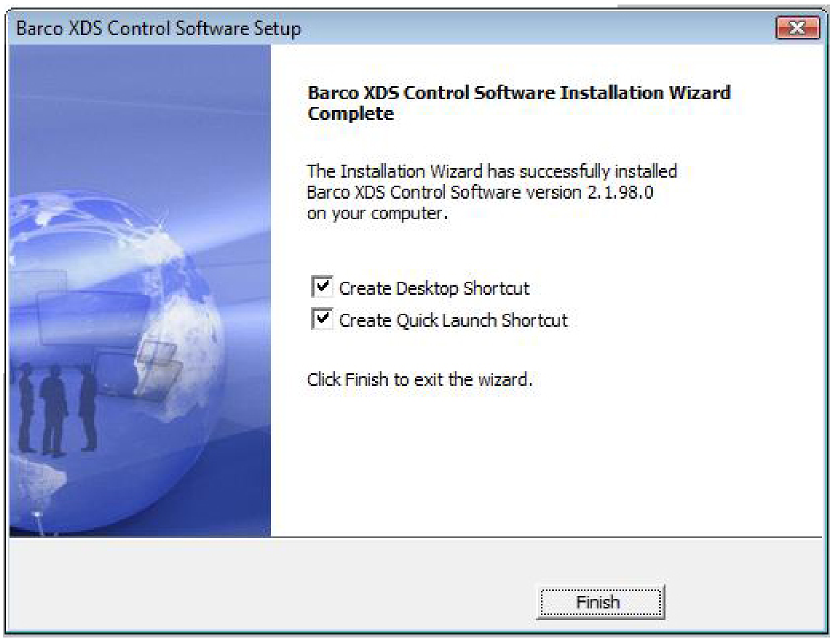
Image 6-7
Installation in progress


Barco XDS Control Software Setup
Finish

Barco XDS Control Software Installation Wizard Complete

The Installation Wizard has successfully installed Barco XDS Control Software version 2.1.98.0 on your computer.

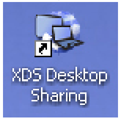
☑ Create Desktop Shortcut
☑ Create Quick Launch Shortcut

Click Finish to exit the wizard.

Image 6-8
Create shortcut

8. Check to create shortcut
9. Click **Finish** to complete the installation

   During installation, if you have selected the option to create shortcut, then you will find the shortcut visible on the desktop and on the tool bar.


XDS Desktop Sharing

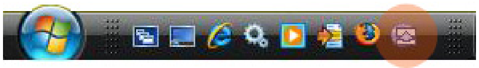
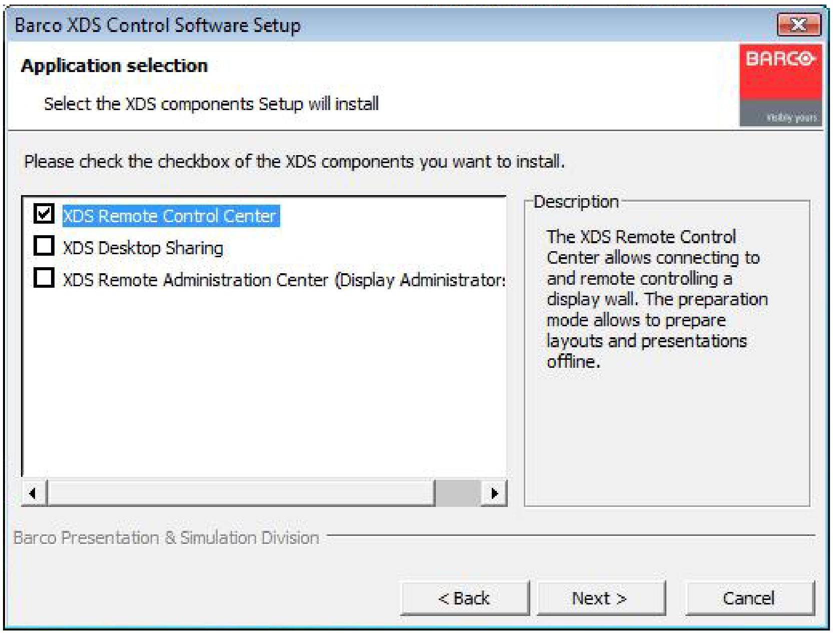


Image 6-9
Shortcut on the tool bar: XDS Desktop Sharing

6.3.3 Installing XDS Remote Control Center client

Procedure to install XDS Remote Control Center

1. Follow the procedure in "Selecting the client application", page 127 to start the installation
2. Select **XDS Remote Control Center**



Barco XDS Control Software Setup

Application selection

Select the XDS components Setup will install

Please check the checkbox of the XDS components you want to install.

☑ XDS Remote Control Center
☐ XDS Desktop Sharing
☐ XDS Remote Administration Center (Display Administrator:

Description

The XDS Remote Control Center allows connecting to and remote controlling a display wall. The preparation mode allows to prepare layouts and presentations offline.

Image 6-10
Install XDS Remote Control Center

3. Click **Next>** to proceed
4. Read the instructions carefully from every wizard and click **Next>** to proceed to next steps
   Note: *The installation steps will be similar to* ***Installing XDS Desktop Sharing client*** *except for enabling user authentication.*

   During installation, if you have selected the option to create shortcut, then you will find the shortcut for XDS Remote Control Center on the desktop XDS Remote Control Center and also an icon will be visible on the tool bar.

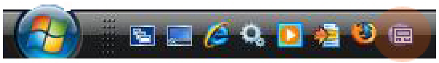


Image 6-11
Shortcut on the tool bar: XDS Remote Control Center

6.4 Updating/Uninstalling the client software

6.4.1 Updating the client software

Procedure to update the client software

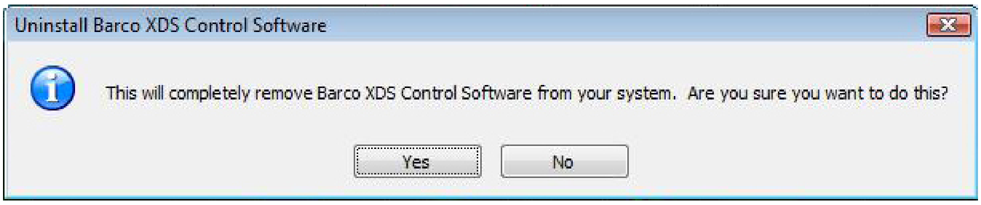
If you want to update the client software to a newer version, then you need to uninstall the old version. To know how to uninstall the older version, see the topic below.

6.4.2 Uninstalling the client software

Procedure to uninstall the client software

1. Go to **Control Panel** > **Programs and Features**
2. Select **Barco XDS Control Software**
3. Click **Uninstall**

A confirmation dialog pops up.



Uninstall Barco XDS Control Software

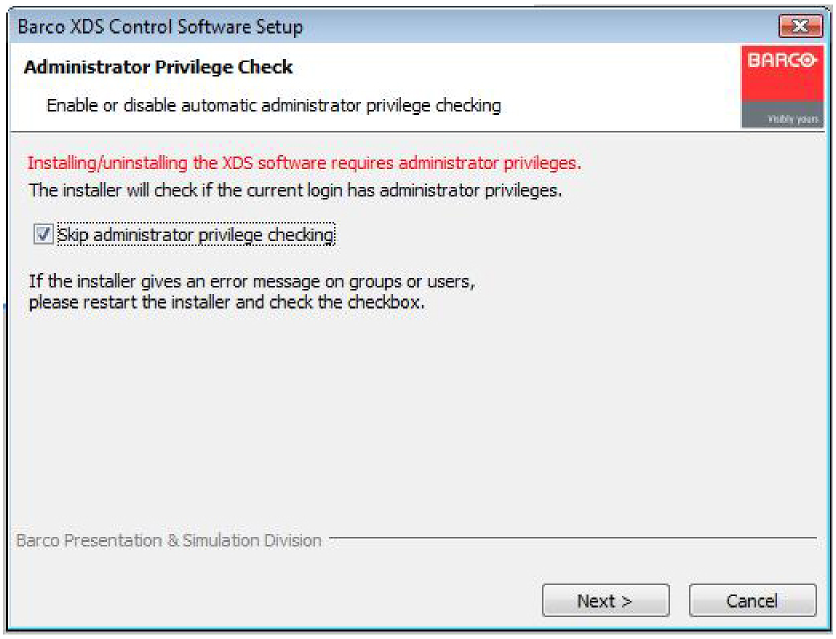
This will completely remove Barco XDS Control Software from your system. Are you sure you want to do this?

Yes
No

Image 6-12
Confirmation dialog

4. Click **Yes**

5. By default the installer checks for administrator privileges. If the automatic administrator check gives an error even though you have administrator permissions, then check the box to **Skip administrator privilege checking**



Barco XDS Control Software Setup
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Administrator Privilege Check

Enable or disable automatic administrator privilege checking

Installing/uninstalling the XDS software requires administrator privileges.
The installer will check if the current login has administrator privileges.

☑ Skip administrator privilege checking

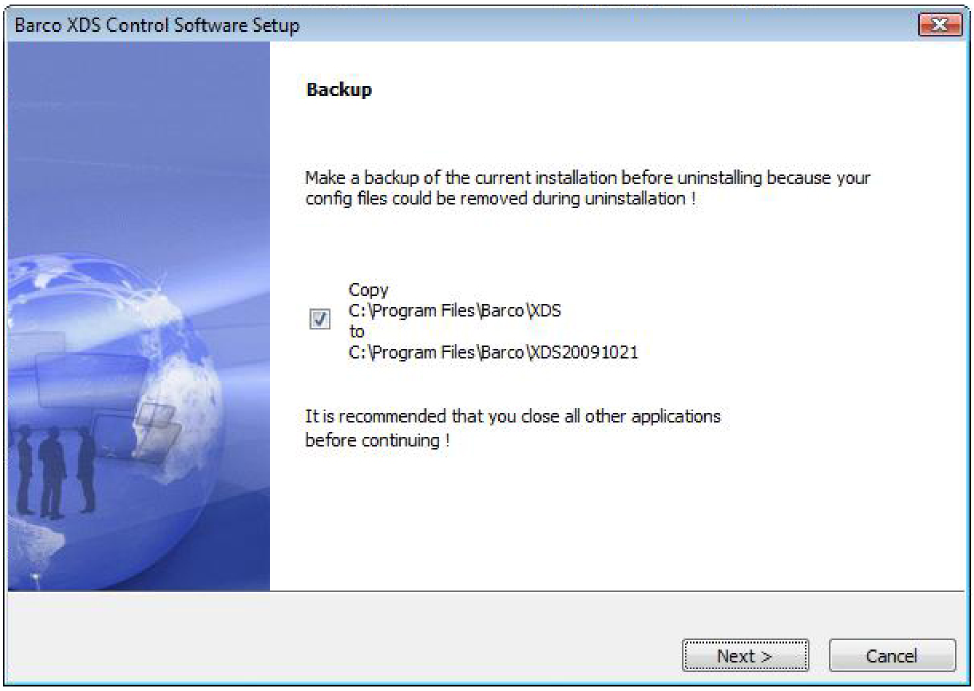
If the installer gives an error message on groups or users,
please restart the installer and check the checkbox.

Barco Presentation & Simulation Division
Next >
Cancel

Image 6-13
Enable administrator privilege check

Note: *You need administrator rights to install or uninstall the software.*

6. Check the box if you want to create a backup for configuration files


Barco XDS Control Software Setup
Next >
Cancel

Backup

Make a backup of the current installation before uninstalling because your config files could be removed during uninstallation !

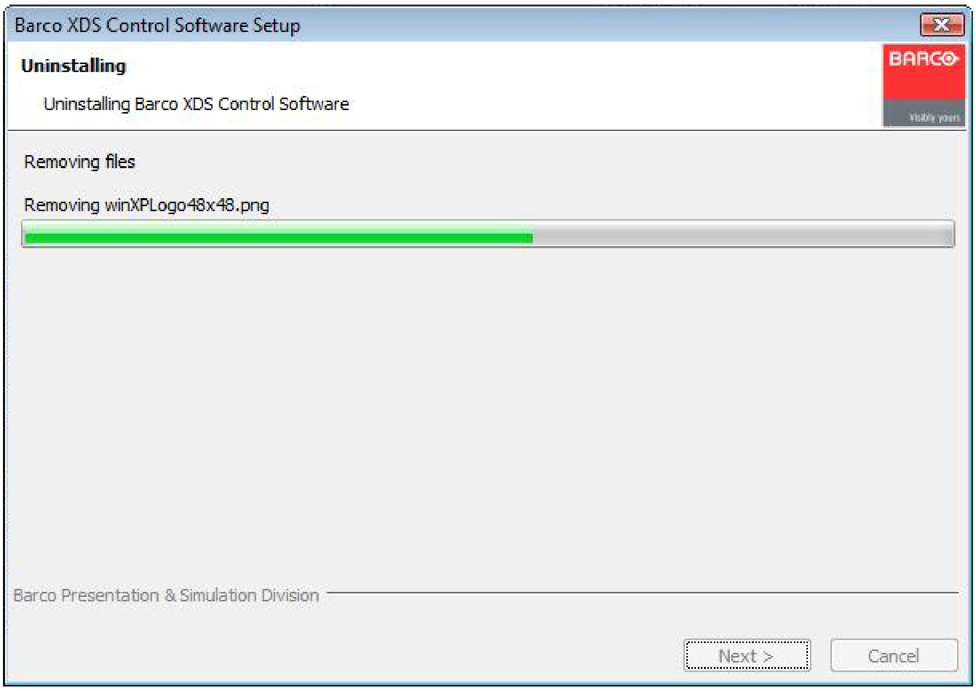
☑ Copy
C:\Program Files\Barco\XDS
to
C:\Program Files\Barco\XDS20091021

It is recommended that you close all other applications before continuing !

Image 6-14
Create a backup

7. Click **Next >** to continue

   The uninstallation procedure starts.


Barco XDS Control Software Setup
BARCO
Visibly yours
Barco Presentation & Simulation Division
Next >
Cancel

Uninstalling

Uninstalling Barco XDS Control Software

Removing files

Removing winXPLogo48x48.png

Image 6-15
Uninstallation starts

8. Click **Finish** to complete uninstalling the software

7. XDS DESKTOP SHARING CLIENT

Overview

- Introduction
- Starting the XDS Desktop Sharing client
- Connecting to XDS display(s)
- Setting security authentication
- Sharing your desktop on display
- Stop sharing your desktop on display
- Using the workspace
- Connecting to displays in a different subnet
- Using Auto connect and Auto share
- Sharing Windows Media Player image

7.1 Introduction

Using XDS Desktop Sharing

The XDS Desktop Sharing software is a client software. See "Introducing client software", page 8.

To start using XDS Desktop Sharing, you need to install the XDS Desktop Sharing client software on your system. Using this software, you can connect to single or multiple XDS displays within a IP subnet or even from a different IP subnet, enable authentication for remote users before they launch your desktop on the XDS display wall, and automate the connection establishment and sharing of your source to an XDS display.

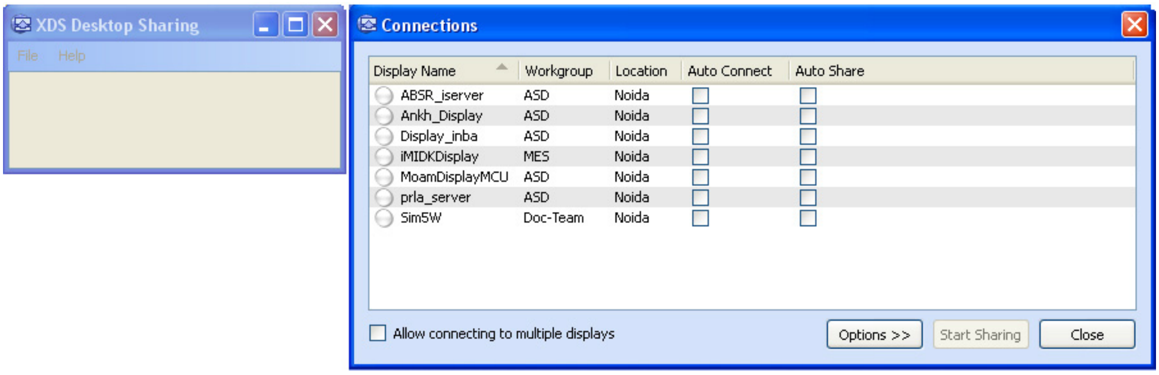
For installing XDS Desktop Sharing client software, see "Installing XDS Desktop Sharing client", page 128.

7.2 Starting the XDS Desktop Sharing client

How to start the XDS Desktop Sharing client?

1. Click **Start** menu
2. Go to **All Programs**
3. Go to **Barco XDS Control Software**
4. Click **XDS Desktop Sharing**

   The **Connections** dialog will automatically popup. This dialog shows the currently running displays in the local IP subnetwork. See the image displayed below.



Display Name	Workgroup	Location	Auto Connect	Auto Share
○ ABSR_iserver	ASD	Noida	☐	☐
○ Ankh_Display	ASD	Noida	☐	☐
○ Display_inba	ASD	Noida	☐	☐
○ iMIDKDisplay	MES	Noida	☐	☐
○ MoamDisplayMCU	ASD	Noida	☐	☐
○ prla_server	ASD	Noida	☐	☐
○ SimSW	Doc-Team	Noida	☐	☐

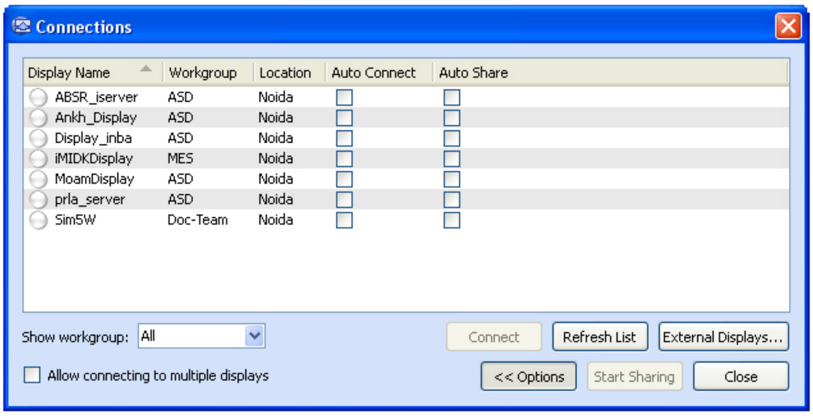
☐ Allow connecting to multiple displays

Image 7-1
Connections dialog

7.3 Connecting to XDS display(s)

How to connect to a single XDS display?

1. From the **Connections** dialog, click **Options >>** to expand the dialog


Connections
Connect
Refresh List
External Displays...
<< Options
Start Sharing
Close

Display Name	Workgroup	Location	Auto Connect	Auto Share
○ ABSR_iserver	ASD	Noida	☐	☐
○ Ankh_Display	ASD	Noida	☐	☐
○ Display_inba	ASD	Noida	☐	☐
○ iMIDKDisplay	MES	Noida	☐	☐
○ MoamDisplay	ASD	Noida	☐	☐
○ prla_server	ASD	Noida	☐	☐
○ Sim5W	Doc-Team	Noida	☐	☐

Show workgroup: All

☐ Allow connecting to multiple displays

Image 7-2
View the additional buttons

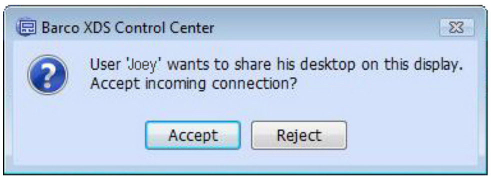
You will find additional buttons such as **Connect**, **Refresh list**, **External Displays...**.

- Connect Click to connect to a display
- Refresh List Click to refresh the display server list
- External Displays... Click to launch the **External Displays** dialog in order to scan for XDS Displays in a different subnet.

2. Now click on the name of a display and click **Connect**
   You can also connect to any display by double clicking on the name of the display
   Note: *The **Connect** and **Start Sharing** button will be enabled only when you select a display or displays.*

   Connection will be established when the session owner of the XDS display accepts your request.

   The following image will appear on the XDS display.


Barco XDS Control Center
Accept
Reject

User 'Joey' wants to share his desktop on this display.
Accept incoming connection?

Image 7-3
Acceptance dialog

When the user of the XDS display clicks **Accept**, desktop sharing icon will appear on his/her source widget. The icon will blink for 2 to 3 seconds and remain still.

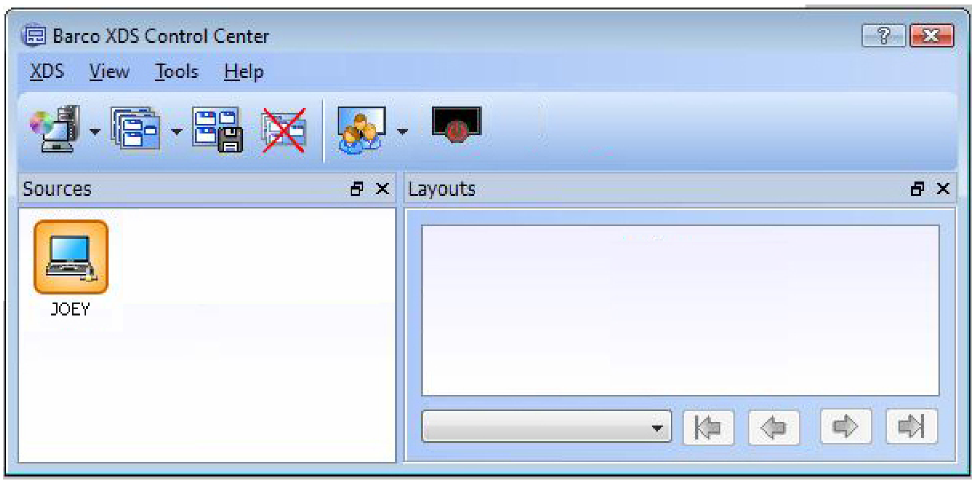
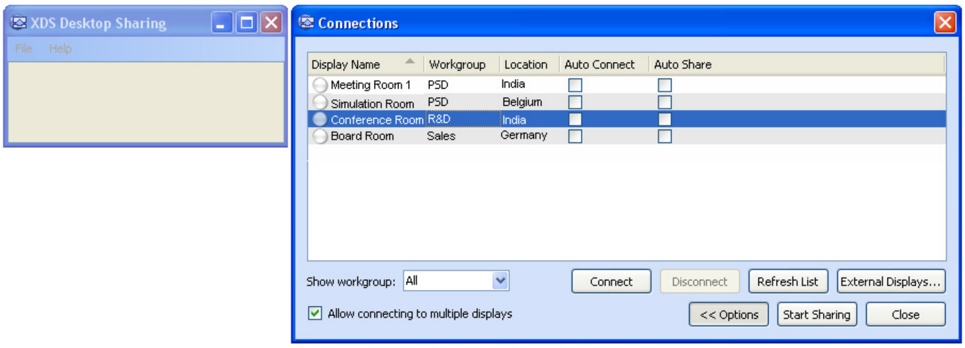

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts
JOEY

Image 7-4
Desktop icon appearing on the display

If the session owner of the XDS display and the user of desktop sharing system are the same users, then no connection acceptance request will be triggered, and the connection will be established straightaway.

How to connect to multiple displays?

1. From the **Connections** dialog, check **Allow connecting to multiple displays** check box.


XDS Desktop Sharing
File
Help
Connections
Show workgroup:
All
Connect
Disconnect
Refresh List
External Displays...
<< Options
Start Sharing
Close

Display Name	Workgroup	Location	Auto Connect	Auto Share
Meeting Room 1	PSD	India	☐	☐
Simulation Room	PSD	Belgium	☐	☐
Conference Room	R&D	India	☐	☐
Board Room	Sales	Germany	☐	☐

☑ Allow connecting to multiple displays

Image 7-5
Connect to multiple displays

2. Now press **CTRL** key and select multiple displays
3. Click **Connect**

   Your desktop will be connected to multiple displays. Your desktop will appear as a desktop sharing icon on all the selected display's source widget.

7.4 Setting security authentication

You can also set user authentication while installing the XDS Desktop Sharing client software. See "Installing XDS Desktop Sharing client", page 128.

How to set user authentication?

If you set user authentication, the user of the display need to enter his/her credentials before launching your desktop on the display.

1. Click **File** menu

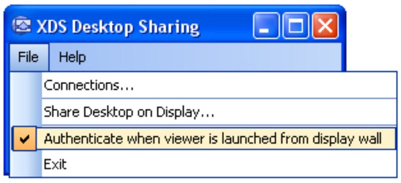
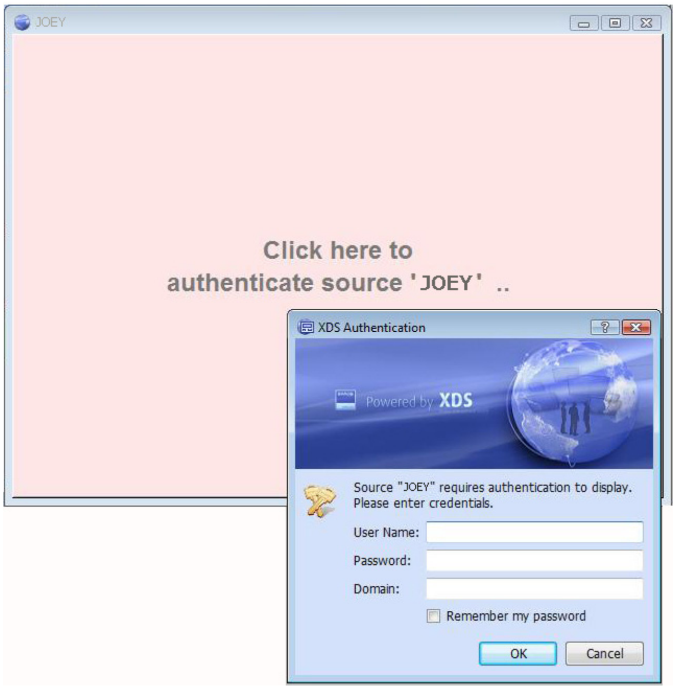

XDS Desktop Sharing
File
Help
Connections...
Share Desktop on Display...
✓ Authenticate when viewer is launched from display wall
Exit

Image 7-6
Set security authentication

2. Select *Authenticate when viewer is launched from display wall*

   After connecting your desktop to the display, when the user of the display tries to launch your desktop, he/she will be prompted to enter his/her credentials. The credentials must be valid for that particular domain of the server.


JOEY
XDS Authentication
Powered by XDS
OK
Cancel

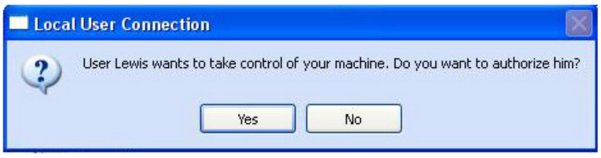
Click here to
authenticate source 'JOEY' ..

Source "JOEY" requires authentication to display.
Please enter credentials.

User Name:
Password:
Domain:
☐ Remember my password

Image 7-7
Authenticate user of the display

You will receive a confirmation dialog


Local User Connection
Yes
No

User Lewis wants to take control of your machine. Do you want to authorize him?

Image 7-8

3. Click **Yes** to accept
   If the user of the display enters your exact credentials, then your desktop will be launched on the XDS display automatically without an acceptance dialog.
   Note: *If **user authentication** is disabled, your desktop will be launched without the authentication procedure.*

7.5 Sharing your desktop on display

When you use Start Sharing, you are actually launching your desktop on the display. When you use Connect to a display, your desktop icon will be visible on the source widget of the display. Only when the user of the display will double-click on the icon, your desktop is shared.

How to share your desktop on display?

When you want to share your desktop on a display, you can explicitly enable the sharing option. When you do so, even if user authentication is enabled, your desktop will be launched on the display automatically without any authentication.

1. Open the **File** menu

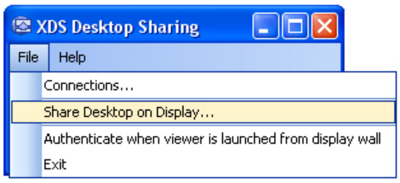

XDS Desktop Sharing
File
Help
Connections...
Share Desktop on Display...
Authenticate when viewer is launched from display wall
Exit

Image 7-9
Share desktop on display

2. Select *Share Desktop on Display...*

   After selecting the above option, the **Connections** dialog opens automatically.

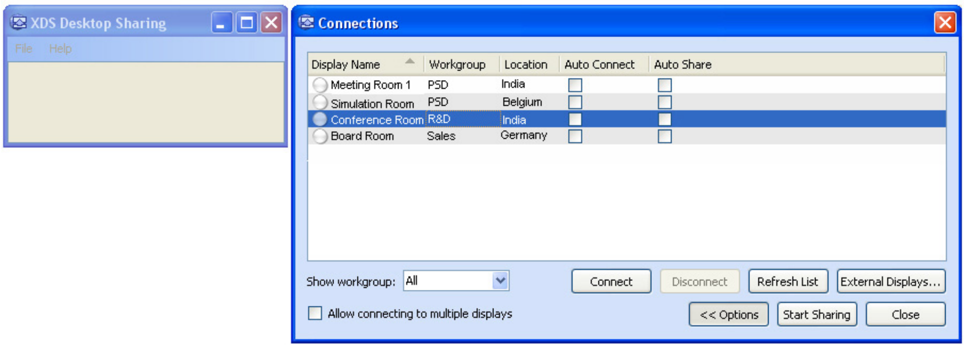
3. Select the appropriate display(s)

4. Click **Start Sharing**

Sharing your desktop using Start Sharing button

1. Double-click on the **XDS Desktop Sharing** icon

   The **Connections** dialog opens listing the available displays in the local IP subnet.


XDS Desktop Sharing
File
Help
Connections
Connect
Disconnect
Refresh List
External Displays…
<< Options
Start Sharing
Close

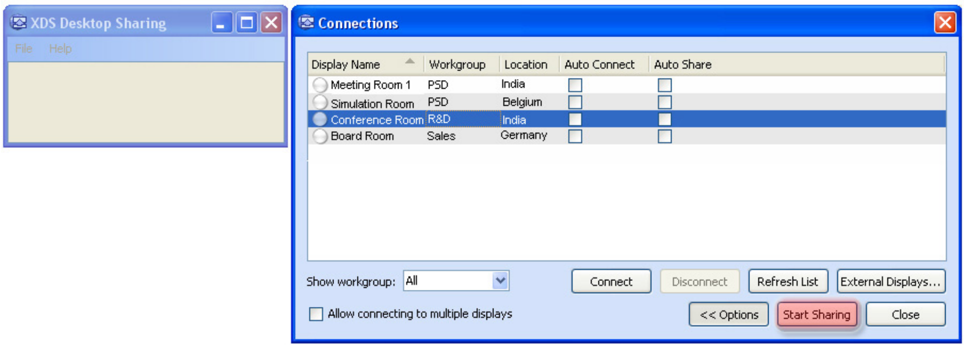
Display Name	Workgroup	Location	Auto Connect	Auto Share
○ Meeting Room 1	PSD	India	☐	☐
○ Simulation Room	PSD	Belgium	☐	☐
○ Conference Room	R&D	India	☐	☐
○ Board Room	Sales	Germany	☐	☐

Show workgroup: All

☐ Allow connecting to multiple displays

Image 7-10
Connections dialog: startup

2. Select the display on which you want to share your desktop
3. Click **Start Sharing** button


XDS Desktop Sharing
File
Help
Connections
Connect
Disconnect
Refresh List
External Displays…
<< Options
Start Sharing
Close

Display Name	Workgroup	Location	Auto Connect	Auto Share
○ Meeting Room 1	PSD	India	☐	☐
○ Simulation Room	PSD	Belgium	☐	☐
○ Conference Room	R&D	India	☐	☐
○ Board Room	Sales	Germany	☐	☐

Show workgroup: All

☐ Allow connecting to multiple displays

Image 7-11
Start sharing your desktop

   Your desktop will automatically launch in a window on the display irrespective of the authentication settings. Since you have explicitly shared your computer, no authentication will be performed on this desktop sharing source, even if *User Authentication* is enabled.

   The **Start Sharing** button will be grayed out after sharing your desktop. You need to disconnect from that display to start sharing your desktop to another display. Only when you disconnect from the connected display, the **Start Sharing** button will be enabled.

Sharing your desktop on multiple displays

1. From the **Connections** dialog, press **CTRL** and select multiple displays
2. Click **Start Sharing** button

   Now your desktop will be shared on the selected displays. To know how to use **Auto Share** option, see "Using Auto connect and Auto share", page 146.

7.6 Stop sharing your desktop on display

This menu item, Stop sharing on Display is available only when you have shared your desktop on display.

How to stop sharing your desktop on display?

1. On the **File** menu, click *Stop sharing on Display "Sim5W"*, where **Sim5W** is the name of the display

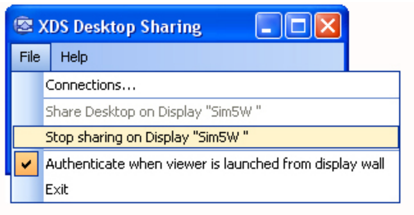

XDS Desktop Sharing
File
Help
Connections…
Share Desktop on Display "Sim5W "
Stop sharing on Display "Sim5W "
Authenticate when viewer is launched from display wall
Exit

Image 7-12
Stop sharing desktop on display

Your desktop will be removed from the display automatically.

7.7 Using the workspace

Using the workspace after connecting to XDS Display(s)

After connecting to XDS Display(s), the XDS Desktop Sharing client workspace will appear. The image will appear as displayed below.

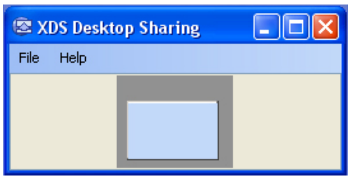

XDS Desktop Sharing
File
Help

Image 7-13
XDS Desktop Sharing

From this workspace, you can use the **File** and **Help** menu. From the **File** menu, you can

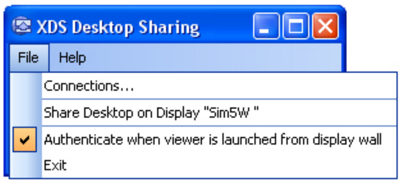

XDS Desktop Sharing
File
Help
Connections…
Share Desktop on Display "Sim5W "
Authenticate when viewer is launched from display wall
Exit

Image 7-14
File menu

- open the **Connections** dialog
- allow sharing your desktop on the XDS Display
- enable user authentication
- exit to close the connection

From the **Help** menu, you can view the XDS version number, module version and built date.

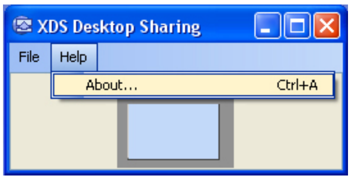
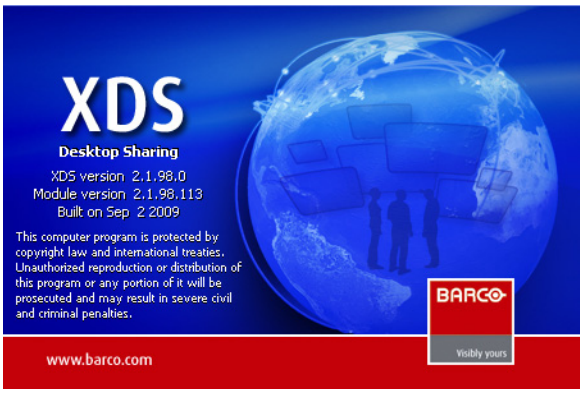

XDS Desktop Sharing
File
Help
About…
Ctrl+A

Image 7-15
Help menu


XDS
Desktop Sharing

XDS version 2.1.98.0
Module version 2.1.98.113
Built on Sep 2 2009

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Image 7-16
About screen

The workspace also shows a copy of the current XDS display layout of the XDS display to which the XDS Desktop Sharing client is connected. You, being the user of the client PC can use this workspace to move, resize, and close any of the windows on the XDS display. If you have connected your PC to multiple XDS displays, the workspace will show side by side layouts of different displays that you have connected to.

7.8 Connecting to displays in a different subnet

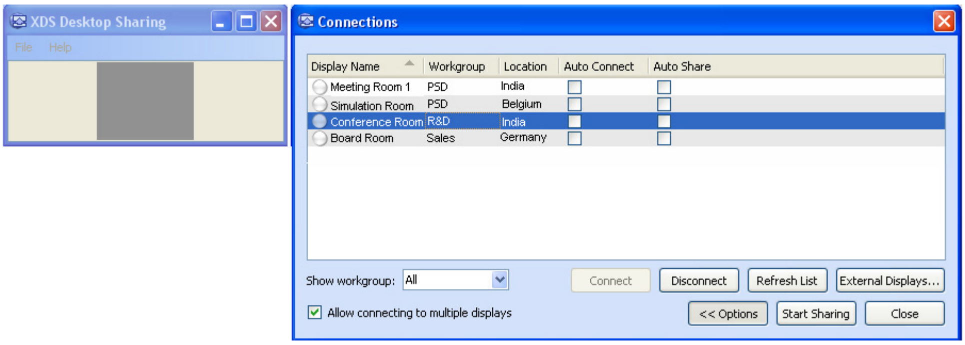
Overview

- Overview
- Scanning for displays in a different subnet
- Deleting a display

7.8.1 Overview

Need for display scanner

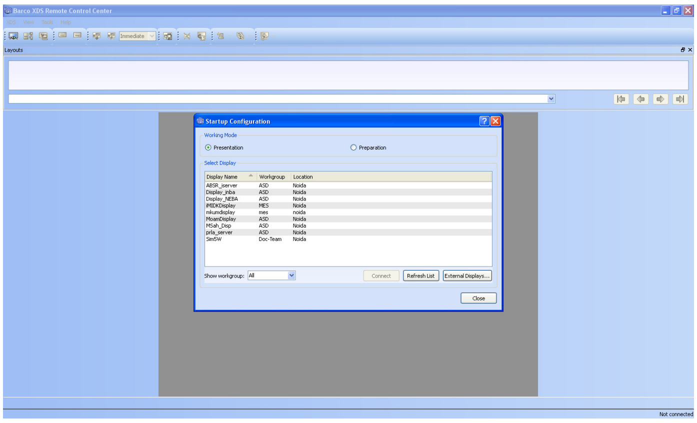
Before connecting to any display system, you need to know the available displays in your network. To view the available networks and get connected to them, all XDS clients use a display scanner. When a client is started, its display scanner scans for available XDS display systems in the same IP subnetwork to which that client belongs. You can then connect to any display from the list of available display systems.


XDS Desktop Sharing
File
Help
Connections
Show workgroup: All
Connect
Disconnect
Refresh List
External Displays...
<< Options
Start Sharing
Close

Display Name	Workgroup	Location	Auto Connect	Auto Share
Meeting Room 1	PSD	India	☐	☐
Simulation Room	PSD	Belgium	☐	☐
Conference Room	R&D	India	☐	☐
Board Room	Sales	Germany	☐	☐

☑ Allow connecting to multiple displays

Image 7-17
XDS Desktop Sharing client: Connections dialog displaying the available XDS Displays In the local network


Barco XDS Remote Control Center
Layouts
Immediate
Startup Configuration
Working Mode
Select Display
Show workgroup: All
Connect
Refresh List
External Displays...
Close
Not connected

● Presentation ○ Preparation

Display Name	Workgroup	Location
ABSR_iserver	ASD	Noida
Display_inba	ASD	Noida
Display_NEBA	ASD	Noida
iMIDKDisplay	MES	Noida
mkumdisplay	mes	noida
MoamDisplay	ASD	Noida
MSah_Disp	ASD	Noida
prla_server	ASD	Noida
SimSW	Doc-Team	Noida

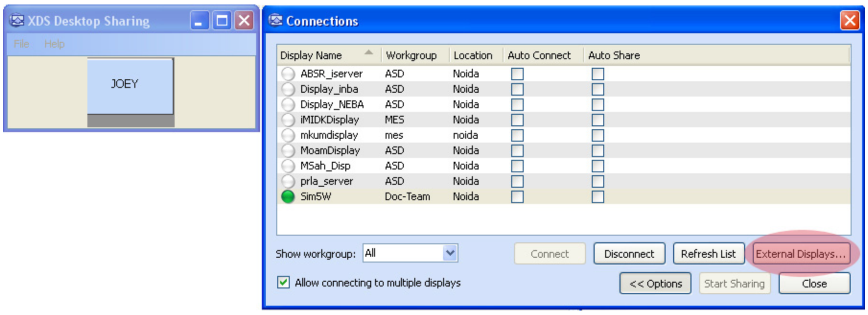
Image 7-18
XDS Remote Control Center: Startup Configuration dialog displaying the available XDS Displays in the local network

7.8.2 Scanning for displays in a different subnet

How to scan for displays in a different subnet?

If you want to scan for displays installed in a different subnet, which cannot be detected through the default automatic subnetwork scan, use the **External Display Scanner**.

1. From the desktop sharing client, and remote control center interface, click **External Displays...**


XDS Desktop Sharing
File Help
JOEY
Connections
Connect
Disconnect
Refresh List
External Displays...
<< Options
Start Sharing
Close

Display Name	Workgroup	Location	Auto Connect	Auto Share
○ ABSR_iserver	ASD	Noida	☐	☐
○ Display_inba	ASD	Noida	☐	☐
○ Display_NEBA	ASD	Noida	☐	☐
○ iMIDKDisplay	MES	Noida	☐	☐
○ mkumdisplay	mes	noida	☐	☐
○ MoamDisplay	ASD	Noida	☐	☐
○ MSah_Disp	ASD	Noida	☐	☐
○ prla_server	ASD	Noida	☐	☐
● Sim5W	Doc-Team	Noida	☐	☐

Show workgroup: All

☑ Allow connecting to multiple displays

Image 7-19
XDS Desktop Sharing client

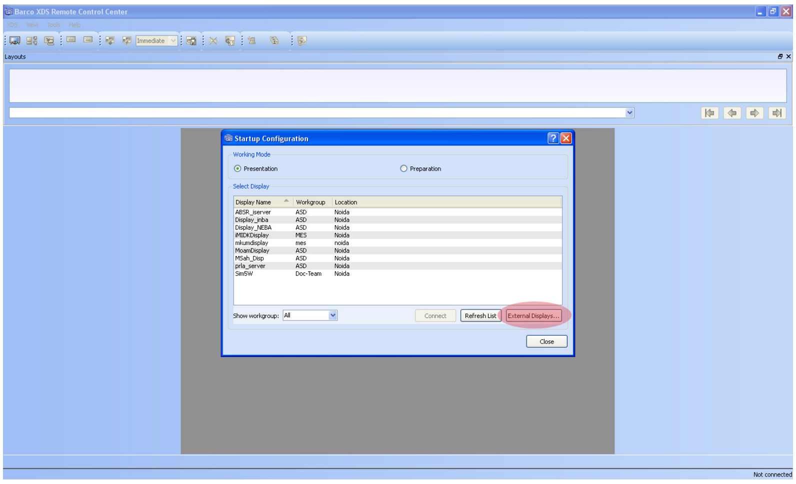

Barco XDS Remote Control Center
Layouts
Startup Configuration
Working Mode
Presentation
Preparation
Select Display
Show workgroup:
Connect
Refresh List
External Displays...
Close
Not connected

Image 7-20
XDS Remote Control Center

The **External Displays** dialog opens.

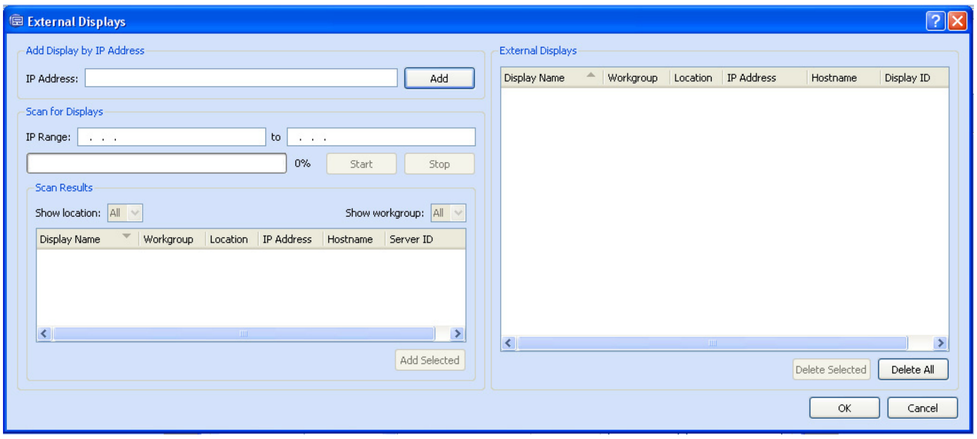
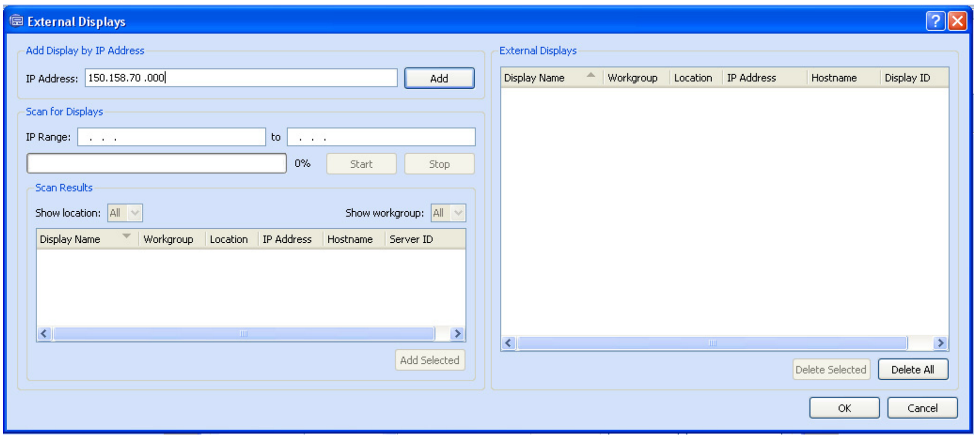

External Displays
Add Display by IP Address
IP Address:
Add
Scan for Displays
IP Range:
to
0%
Start
Stop
Scan Results
Show location:
All
Show workgroup:
All
Display Name
Workgroup
Location
IP Address
Hostname
Server ID
Add Selected
External Displays
Display Name
Workgroup
Location
IP Address
Hostname
Display ID
Delete Selected
Delete All
OK
Cancel

Image 7-21
External Displays dialog

2. **To scan for a particular display:**

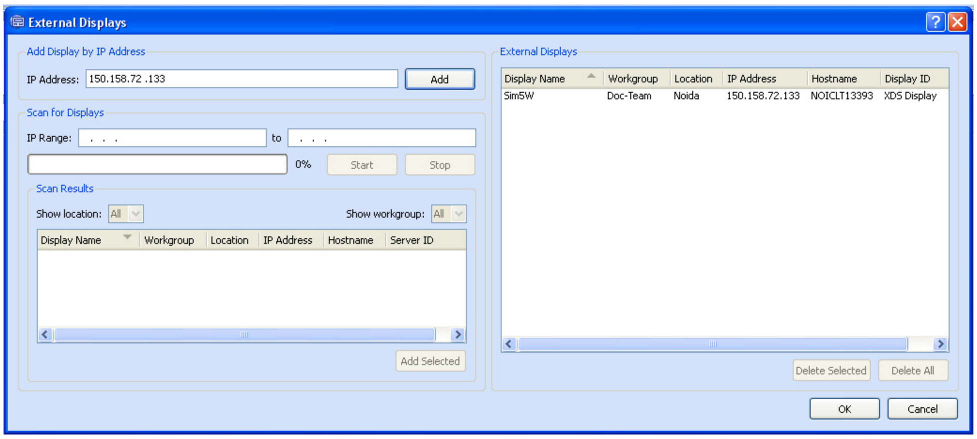
a) Enter the IP address in the **IP Address** text box


External Displays
Add Display by IP Address
Add
Scan for Displays
IP Range:
to
0%
Start
Stop
Scan Results
Show location: All
Show workgroup: All
Display Name
Workgroup
Location
IP Address
Hostname
Server ID
Add Selected
External Displays
Display ID
Delete Selected
Delete All
OK
Cancel

IP Address: 150.158.70 .000

Image 7-22
Enter the IP address of the XDS Display

b) Click **Add**
The corresponding display, if available, will be added to the **External Displays** list.

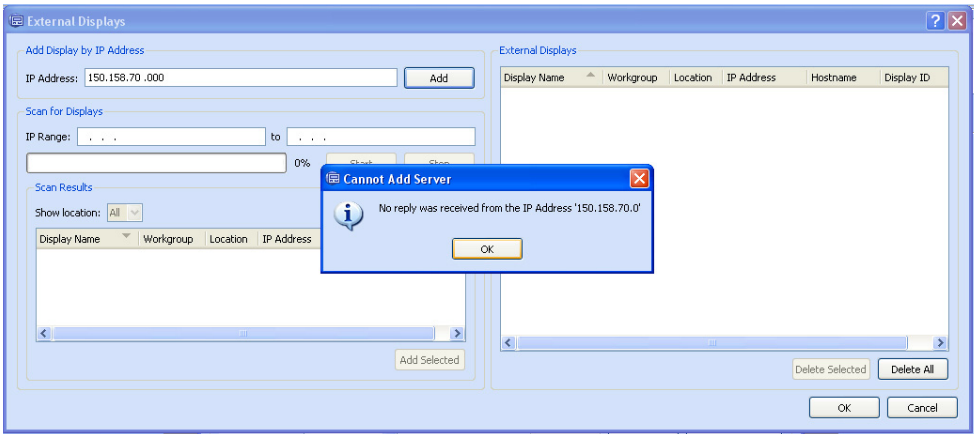

External Displays
Add Display by IP Address
Add
Scan for Displays
IP Range:
to
0%
Start
Stop
Scan Results
Show location: All
Show workgroup: All
Add Selected
External Displays
Delete Selected
Delete All
OK
Cancel

IP Address: 150.158.72 .133

Display Name	Workgroup	Location	IP Address	Hostname	Display ID
SimSW	Doc-Team	Noida	150.158.72.133	NOICLT13393	XDS Display

Image 7-23
Available XDS Display added to the External Displays list

If there is no Display corresponding to the specified IP, you will receive the following error message.


External Displays
Add Display by IP Address
Add
Scan for Displays
IP Range:
to
0%
Scan Results
Show location: All
Display Name
Workgroup
Location
IP Address
Hostname
Display ID
Add Selected
External Displays
Delete Selected
Delete All
OK
Cancel
Cannot Add Server
OK

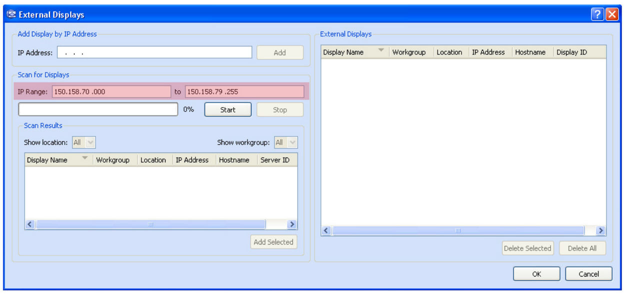
IP Address: 150.158.70 .000

No reply was received from the IP Address '150.158.70.0'

Image 7-24
Cannot add Display

3. **To scan a range of displays:**

a) Enter the start range and end range in the **IP Range** text field


External Displays
Add Display by IP Address
IP Address:
Add
Scan for Displays
Start
Stop
Scan Results
Show location:
Show workgroup:
Add Selected
External Displays
Delete Selected
Delete All
OK
Cancel

IP Range: 150.158.70 .000 to 150.158.79 .255

0%

Show location: All

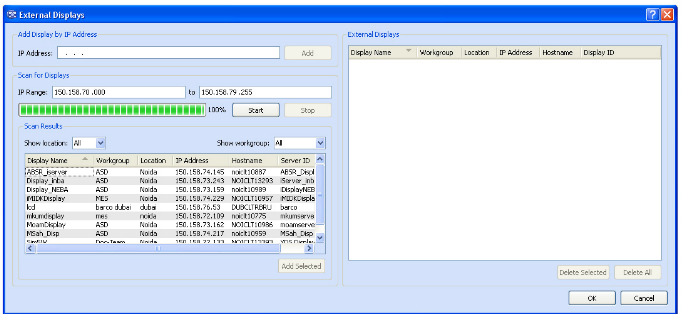
Show workgroup: All

Display Name	Workgroup	Location	IP Address	Hostname	Server ID

Display Name	Workgroup	Location	IP Address	Hostname	Display ID

Image 7-25
Specify the IP range

b) Click **Start**


External Displays
Add Display by IP Address
IP Address:
Add
Scan for Displays
Start
Stop
Scan Results
Show location:
Show workgroup:
Add Selected
External Displays
Delete Selected
Delete All
OK
Cancel

IP Range: 150.158.70 .000 to 150.158.79 .255

100%

Show location: All

Show workgroup: All

Display Name	Workgroup	Location	IP Address	Hostname	Server ID
ABSR_iserver	ASD	Noida	150.158.74.145	noiclt10887	ABSR_Displ
Display_inba	ASD	Noida	150.158.73.243	NOICLT13293	iServer_inb
Display_NEBA	ASD	Noida	150.158.73.159	noiclt10989	iDisplayNEB
iMIDKDisplay	MES	Noida	150.158.74.229	NOICLT10957	iMIDKDispla
lcd	barco dubai	dubai	150.158.76.53	DUBCLTRBRU	barco
mkumdisplay	mes	noida	150.158.72.109	noiclt10775	mkumserve
MoamDisplay	ASD	Noida	150.158.73.162	NOICLT10986	moamserve
MSah_Disp	ASD	Noida	150.158.74.217	noiclt10959	MSah_Disp

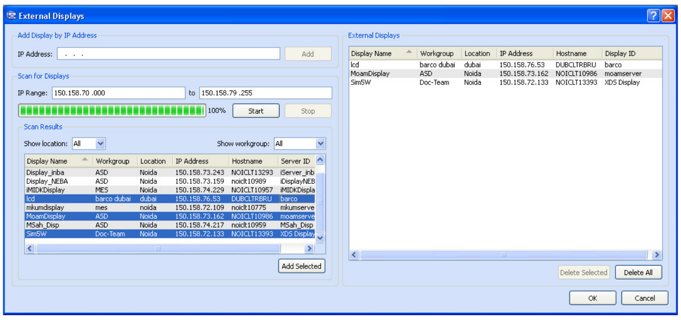
Display Name	Workgroup	Location	IP Address	Hostname	Display ID

Image 7-26
Scanning displays

The external display scanner scans for all the available displays that fall under that particular range. These displays are listed under **Scan Results** section.

c) Select a particular display or press **CTRL** and select multiple displays

d) Click **Add Selected**
The selected displays will be added to the **External Displays** list.


External Displays
Add Display by IP Address
IP Address:
Add
Scan for Displays
Start
Stop
Scan Results
Show location:
Show workgroup:
Add Selected
External Displays
Delete Selected
Delete All
OK
Cancel

IP Range: 150.158.70 .000 to 150.158.79 .255

100%

Show location: All

Show workgroup: All

Display Name	Workgroup	Location	IP Address	Hostname	Server ID
Display_inba	ASD	Noida	150.158.73.243	NOICLT13293	iServer_inb
Display_NEBA	ASD	Noida	150.158.73.159	noiclt10989	iDisplayNEB
iMIDKDisplay	MES	Noida	150.158.74.229	NOICLT10957	iMIDKDispla
lcd	barco dubai	dubai	150.158.76.53	DUBCLTRBRU	barco
mkumdisplay	mes	noida	150.158.72.109	noiclt10775	mkumserve
MoamDisplay	ASD	Noida	150.158.73.162	NOICLT10986	moamserve
MSah_Disp	ASD	Noida	150.158.74.217	noiclt10959	MSah_Disp
Sim5W	Doc-Team	Noida	150.158.72.133	NOICLT13393	XDS Display

Display Name	Workgroup	Location	IP Address	Hostname	Display ID
lcd	barco dubai	dubai	150.158.76.53	DUBCLTRBRU	barco
MoamDisplay	ASD	Noida	150.158.73.162	NOICLT10986	moamserver
Sim5W	Doc-Team	Noida	150.158.72.133	NOICLT13393	XDS Display

Image 7-27
Add displays to external displays list

4. Click **OK** to add the displays in the display list of the client applications
Note: *This will update* ***ICExternalSubnetServersRepository.xml*** *file at the following location* ***C:\Documents and Settings\<Current Login user>\Application Data\Barco\XDS\config***

To get the updated display list in already running client in same PC:

- XDS remote control center: Reopen the **Startup Configuration** dialog.
- XDS desktop sharing client: Reopen the **Connections** dialog

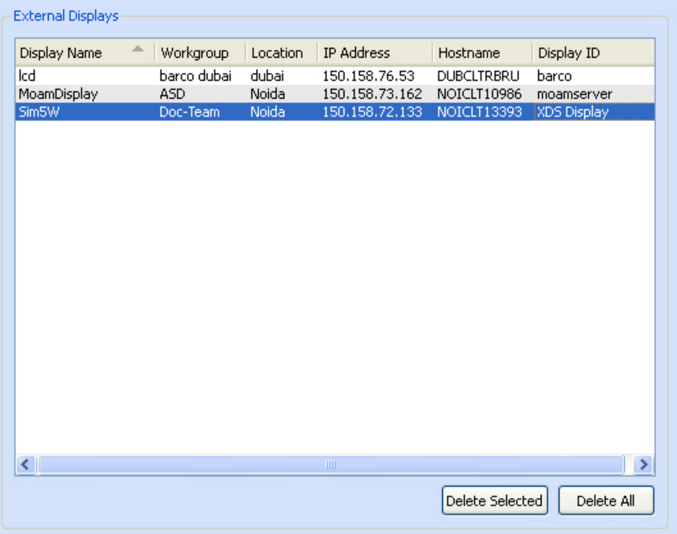
When the client application is launched from the same system, these external displays will also appear in the display list at startup. The external display information is shared between all the clients on one laptop system.

7.8.3 Deleting a display

You might need to delete a display from the display list when its IP address has changed. It may have become obsolete because its properties were re-configured. In this case you might not be able to connect to that particular display. To resolve this issue, follow the steps below to delete the display details. Further you can scan to re-discover the display and add it to the list. Refer to "Scanning for displays in a different subnet", page 141.

To delete selected display(s)

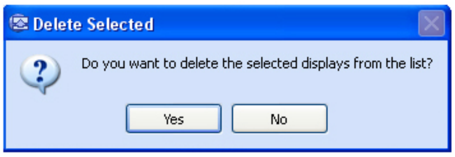
1. From the **External Displays** list, select an added display or press **CTRL** to select multiple displays
2. Click **Delete Selected**



Display Name	Workgroup	Location	IP Address	Hostname	Display ID
lcd	barco dubai	dubai	150.158.76.53	DUBCLTRBRU	barco
MoamDisplay	ASD	Noida	150.158.73.162	NOICLT10986	moamserver
Sim5W	Doc-Team	Noida	150.158.72.133	NOICLT13393	XDS Display

Image 7-28
Delete scanned displays

3. Click **Yes** to confirm deletion



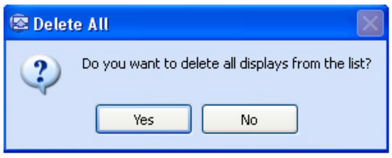
Do you want to delete the selected displays from the list?

Image 7-29
Delete selected display

The selected displays will be deleted from the list.

To delete all the displays

1. To delete all the added displays from the list, click **Delete All** to delete all the displays without making any selection in the list
2. Click **Yes** to confirm



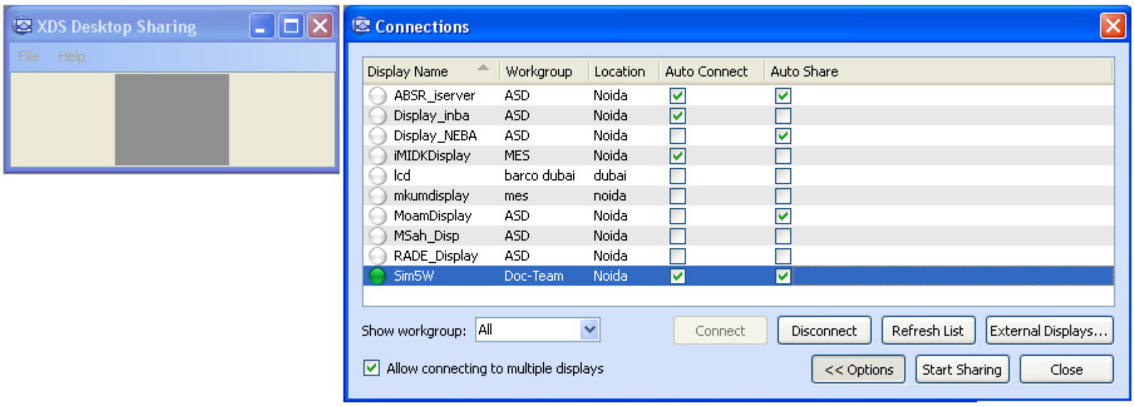
Do you want to delete all displays from the list?

Image 7-30
Delete all the displays

All the displays in the **External Displays** list will be deleted.

7.9 Using Auto connect and Auto share

How to use auto connect and auto share?


XDS Desktop Sharing
File
Help
Connections
Show workgroup:
All
Connect
Disconnect
Refresh List
External Displays…
<< Options
Start Sharing
Close

	Display Name	Workgroup	Location	Auto Connect	Auto Share
○	ABSR_iserver	ASD	Noida	☑	☑
○	Display_inba	ASD	Noida	☑	☐
○	Display_NEBA	ASD	Noida	☐	☑
○	iMIDKDisplay	MES	Noida	☑	☐
○	lcd	barco dubai	dubai	☐	☐
○	mkumdisplay	mes	noida	☐	☐
○	MoamDisplay	ASD	Noida	☐	☑
○	MSah_Disp	ASD	Noida	☐	☐
○	RADE_Display	ASD	Noida	☐	☐
●	Sim5W	Doc-Team	Noida	☑	☑

☑ Allow connecting to multiple displays

Image 7-31
Auto connect and Auto share

- Auto Connect:
  When **Auto Connect** option is checked, on startup of the client application, connection request is sent to the selected display
- Auto Share:
  When **Auto Share** option is checked, the instant your desktop is connected to the display, it gets shared on the display automatically
- Auto Connect and Auto Share:
  When **Auto Connect** and **Auto Share** are checked together for a display, on startup of the client application, connection request is sent to the display
  On establishing the connection, your desktop will be shared on the display automatically

7.10 Sharing Windows Media Player image

Overview

You can share Windows Media Player image through XDS Desktop Sharing. To do so, you need to disable the overlay of the Windows Media Player.

7.10.1 How to disable overlay in Windows Media Player?

Procedure to disable overlay

1. On the Windows Media Player, open the **Tools** menu

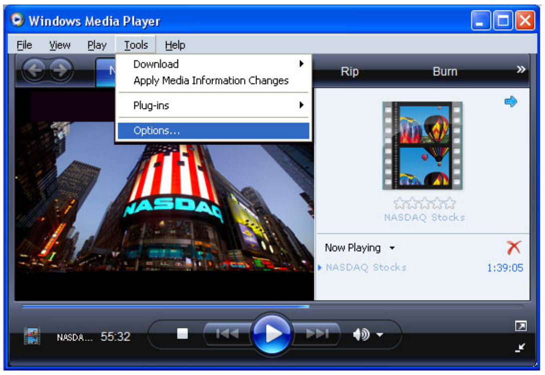
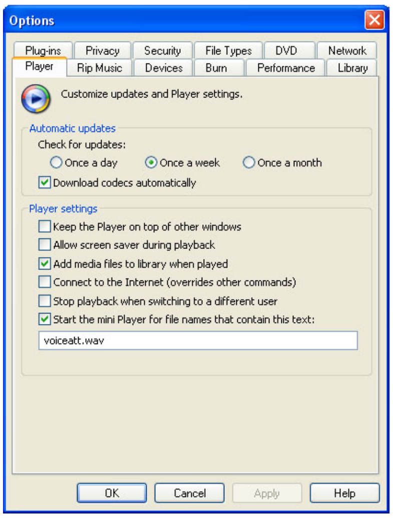

Windows Media Player
File
View
Play
Tools
Help
Download
Apply Media Information Changes
Plug-ins
Options…
Rip
Burn
NASDAQ Stocks
Now Playing
NASDAQ Stocks
1:39:05
NASDA…
55:32

Image 7-32
Window Media Player image

2. Click *Options...*

The **Options** dialog opens.


Options
Plug-ins
Privacy
Security
File Types
DVD
Network
Player
Rip Music
Devices
Burn
Performance
Library
OK
Cancel
Apply
Help

Customize updates and Player settings.

Automatic updates

Check for updates:

○ Once a day ● Once a week ○ Once a month

☑ Download codecs automatically

Player settings

☐ Keep the Player on top of other windows

☐ Allow screen saver during playback

☑ Add media files to library when played

☐ Connect to the Internet (overrides other commands)

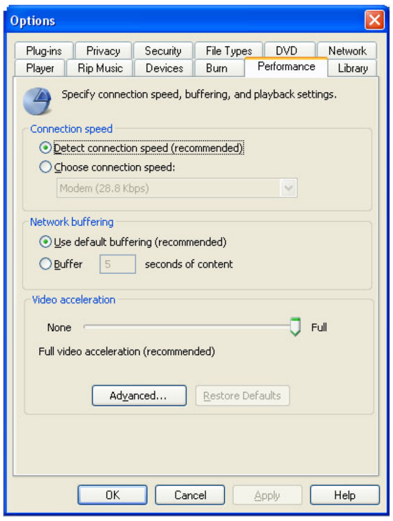
☐ Stop playback when switching to a different user

☑ Start the mini Player for file names that contain this text:

voiceatt.wav

Image 7-33
Options dialog

3. Click **Performance** tab


Options
Plug-ins
Privacy
Security
File Types
DVD
Network
Player
Rip Music
Devices
Burn
Performance
Library
None
Full
Advanced...
Restore Defaults
OK
Cancel
Apply
Help

Specify connection speed, buffering, and playback settings.

Connection speed

● Detect connection speed (recommended)

○ Choose connection speed:

Modem (28.8 Kbps)

Network buffering

● Use default buffering (recommended)

○ Buffer 5 seconds of content

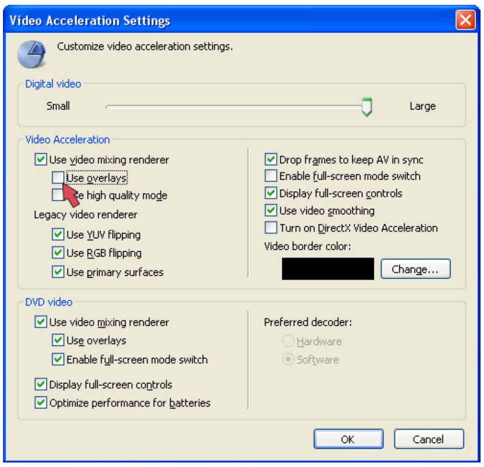
Video acceleration

Full video acceleration (recommended)

Image 7-34
Click Performance tab

4. Click **Advanced** button

The **Video Acceleration Settings** dialog opens.


Video Acceleration Settings
Small
Large
Change...
OK
Cancel

Customize video acceleration settings.

Digital video

Video Acceleration

☑ Use video mixing renderer

☐ Use overlays

☐ e high quality mode

Legacy video renderer

☑ Use YUV flipping

☑ Use RGB flipping

☑ Use primary surfaces

☑ Drop frames to keep AV in sync

☐ Enable full-screen mode switch

☑ Display full-screen controls

☑ Use video smoothing

☐ Turn on DirectX Video Acceleration

Video border color:

DVD video

☑ Use video mixing renderer

☑ Use overlays

☑ Enable full-screen mode switch

☑ Display full-screen controls

☑ Optimize performance for batteries

Preferred decoder:

○ Hardware

● Software

Image 7-35

5. Uncheck the option **Use overlays**

6. Click **OK** to close this dialog
7. Click **OK** to close the Options dialog

   The video will now be visible on the display.

8. XDS REMOTE CONTROL CENTER

Overview

- Starting up the XDS Remote Control Center
- XDS Remote Control Center GUI
- Immediate versus Preview mode
- Using the workspace

8.1 Starting up the XDS Remote Control Center

To know how to install the XDS Remote Control Center, please see *Installing XDS Remote Control Center*.

The connection of XDS Remote Control Center is not automatic. By default, the XDS session user must confirm the connection request from the remote control center user, unless auto-connect is on.

Procedure to startup the XDS Remote Control Center

1. Double-click the **XDS Remote Control Center** icon on your desktop or click the XDS Remote Control Center icon from the toolbar

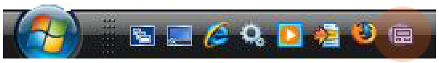
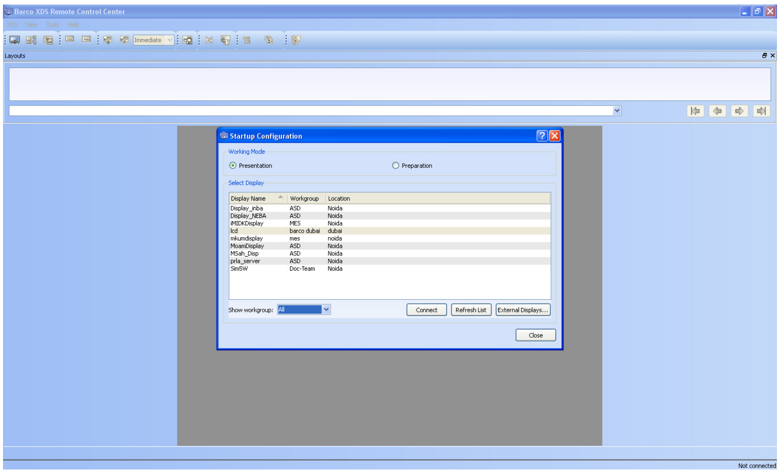


Image 8-1

The XDS Remote Control Center interface is displayed as below.



Startup Configuration

Working Mode

● Presentation ○ Preparation

Select Display

Display Name	Workgroup	Location
Display_inba	ASD	Noida
Display_NEBA	ASD	Noida
iMIDKDisplay	MES	Noida
lcd	barco dubai	dubai
mkumdisplay	mes	noida
MoamDisplay	ASD	Noida
MSah_Disp	ASD	Noida
prla_server	ASD	Noida
Sim5W	Doc-Team	Noida

Show workgroup: All

Image 8-2
Startup the XDS Remote Control Center

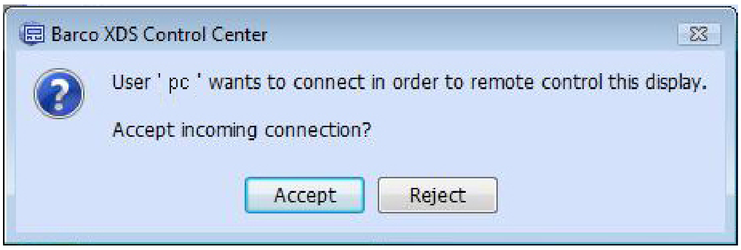
It starts up with the **Start Configuration** dialog that displays the available displays in the local network. By default the working mode is **Presentation**.

2. Click on the name of the display that you want to control

   You can also connect to any display by double clicking on the name of the display

3. Click **Connect** to view and control the selected display
   Note: *The **Connect** button will be enabled only when you select a display.*

An acceptance dialog will appear on the XDS display.


Barco XDS Control Center
Accept
Reject

User ' pc ' wants to connect in order to remote control this display.

Accept incoming connection?

Image 8-3
Acceptance dialog

Connection will be established only when the session owner of the XDS display accepts your request.

You will see the sources connected to the display and layouts created by the session user after you get connected.

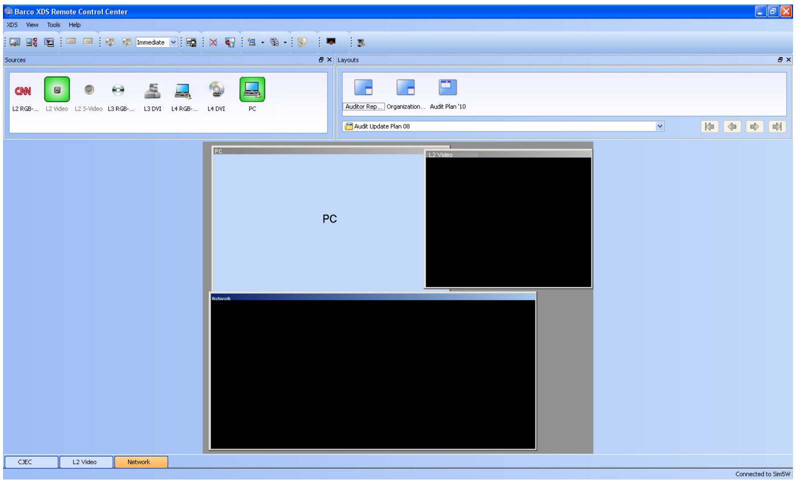

Barco XDS Remote Control Center
XDS
View
Tools
Help
Immediate
Sources
L2 RGB-...
L2 Video
L2 S-Video
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
PC
Layouts
Auditor Rep...
Organization...
Audit Plan '10
Audit Update Plan 08
PC
L2 Video
PC
Network
CJEC
L2 Video
Network
Connected to SimSW

Image 8-4
Connected to display

8.2 XDS Remote Control Center GUI

Overview

- XDS Remote Control Center GUI: Menu bar
- Selecting different views from Menu bar
- XDS Remote Control Center GUI: Toolbar
- Showing/Hiding tool bars
- Stacking tool bars
- Configuring GUI settings of XDS Remote Control Center

8.2.1 XDS Remote Control Center GUI: Menu bar

Menu bar

The menu bar of XDS Remote Control Center software provides access to functions such as startup configuration, download configuration, show or hide tool bars, set privacy options, and saving layouts. The menu items under each menu are displayed in the following image.

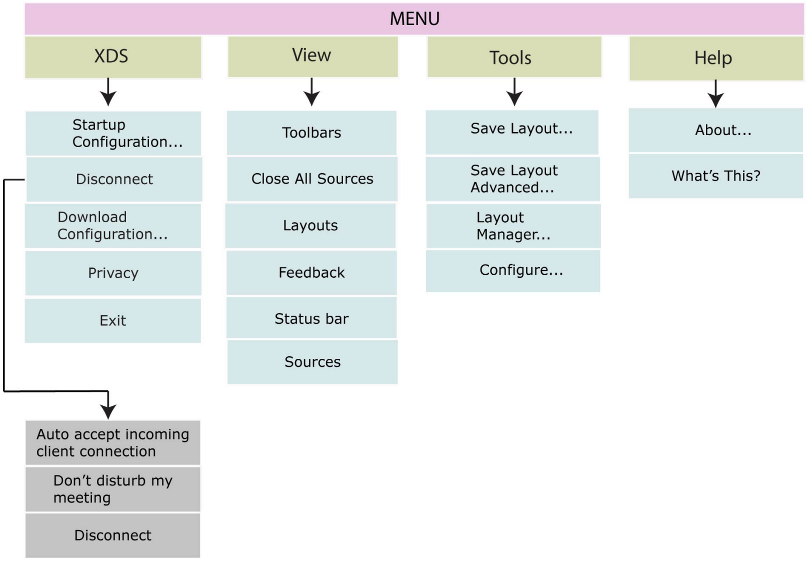

MENU
XDS
View
Tools
Help
Startup Configuration...
Disconnect
Download Configuration...
Privacy
Exit
Toolbars
Close All Sources
Layouts
Feedback
Status bar
Sources
Save Layout...
Save Layout Advanced...
Layout Manager...
Configure...
About...
What's This?
Auto accept incoming client connection
Don't disturb my meeting
Disconnect

Image 8-5
XDS Remote Control Center: menu bar

- **XDS**: enables you to open a Startup Configuration dialog; disconnect the connection to the XDS display; download an XDS display configuration; set privacy options; and exit the application
- **View**: enables you to show/hide toolbars; and hide and show different windows such as, Layouts, Sources, Feedback, and Status Bar
- **Tools**: enables you to save a layout; save a layout with advanced options; manage layouts using the layout manager; save the current state of the XDS Control Center display; and modify the GUI settings of the XDS Control Center
- **Help**: enables you to display the XDS version, module version and Built date; and open the tool tip

8.2.2 Selecting different views from Menu bar

How to select different views from the menu bar?

1. Open **View** menu
2. Select *Toolbars*

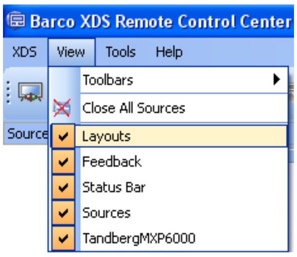

Barco XDS Remote Control Center
XDS
View
Tools
Help
Source
Toolbars
Close All Sources
Layouts
Feedback
Status Bar
Sources
TandbergMXP6000

Image 8-6
Select different views

3. Click the appropriate view to select/deselect to show/hide the views

8.2.3 XDS Remote Control Center GUI: Toolbar

Toolbar

The tool bar is a user friendly tool with on-screen buttons and menus to get direct access to main features. The XDS remote control center GUI toolbar is displayed below with the appropriate functions labeled on it.

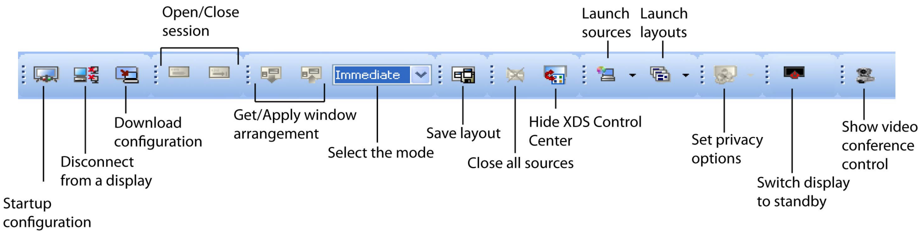

Open/Close session
Launch sources
Launch layouts
Immediate
Download configuration
Get/Apply window arrangement
Save layout
Hide XDS Control Center
Set privacy options
Show video conference control
Disconnect from a display
Select the mode
Close all sources
Switch display to standby
Startup configuration

Image 8-7
XDS remote control center: Toolbar

8.2.4 Showing/Hiding tool bars

How to show or hide tool bars?

1. Open **View** menu
2. Select *Toolbars*

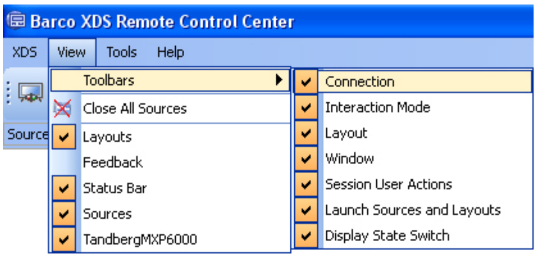

Barco XDS Remote Control Center
XDS
View
Tools
Help
Source
Toolbars
Close All Sources
Layouts
Feedback
Status Bar
Sources
TandbergMXP6000
Connection
Interaction Mode
Layout
Window
Session User Actions
Launch Sources and Layouts
Display State Switch

Image 8-8
Show/Hide tool bars

3. Click the appropriate name of the tool bar to select/deselect to show/hide the toolbar

8.2.5 Stacking tool bars

How to stack tool bars?

1. Click on the holder of a tool bar

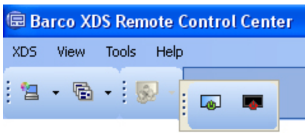

Barco XDS Remote Control Center
XDS
View
Tools
Help

Image 8-9
Tool bar holder

2. Keeping the mouse button pressed, start moving the tool bar

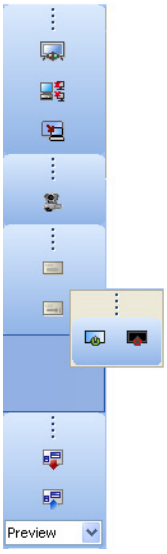


Image 8-10
Stack tool bar on the left pane/right pane

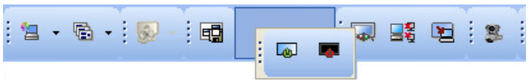


Image 8-11
Stack tool bar on the top/bottom pane

While moving the tool bar on all sides, you will notice a receiving area that will be highlighted in the XDS Remote Control Center GUI.

3. Place the toolbar wherever you require
   Note: *You can also place the tool bar as an independent gadget.*

To know more about stacking source and layout widget, please refer to XDS Control Center GUI.

8.2.6 Configuring GUI settings of XDS Remote Control Center

8.2.6.1 Configuring startup settings

To configure startup settings

1. Open **Tools** menu

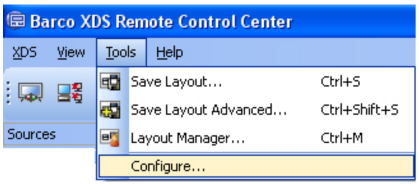
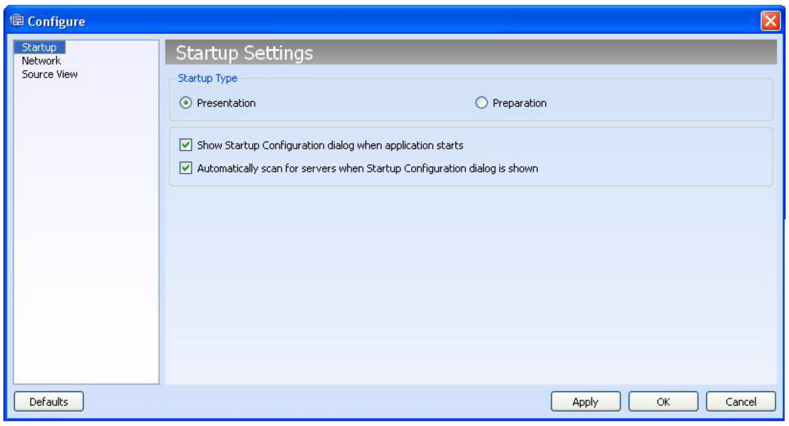

Barco XDS Remote Control Center
XDS
View
Tools
Help
Sources
Save Layout... Ctrl+S
Save Layout Advanced... Ctrl+Shift+S
Layout Manager... Ctrl+M
Configure...

Image 8-12
Select Configure

2. Click *Configure*

   The **Configure** dialog opens.

3. Click *Startup* on the left pane


Configure
Startup
Network
Source View
Startup Settings
Defaults
Apply
OK
Cancel

Startup Type

● Presentation ○ Preparation

☑ Show Startup Configuration dialog when application starts

☑ Automatically scan for servers when Startup Configuration dialog is shown

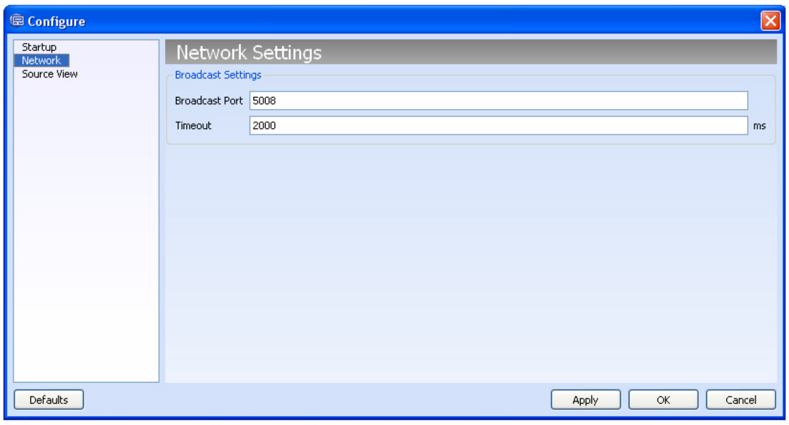
Image 8-13
Startup settings

4. Select the default startup type: *Presentation* or *Preparation*
5. Check the proceeding options as per your requirement
6. Click **Apply** to save changes
7. Press **OK** to close the dialog

8.2.6.2 Configuring network settings

To configure network settings

1. Open **Tools** menu
2. Click *Configure*
3. Select *Network* on the left pane
4. In the **Broadcast Port** text field, specify the broadcast port
5. In the **Timeout** text field, specify the time. Its unit is milliseconds.


Configure
Startup
Network
Source View
Network Settings
Broadcast Settings
Defaults
Apply
OK
Cancel

Broadcast Port 5008

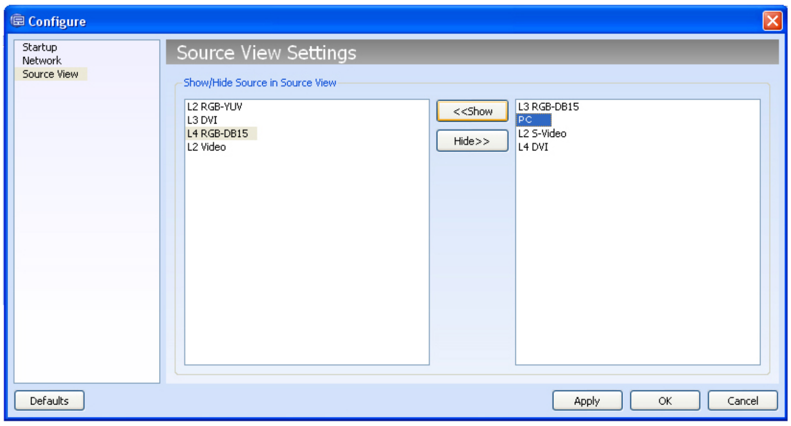
Timeout 2000 ms

Image 8-14
Network settings

8.2.6.3 Configuring source view settings

To configure source view settings

1. Open **Tools** menu
2. Select *Configure*
3. Select *Source View* on the left pane


Configure
Startup
Network
Source View
Source View Settings
Show/Hide Source in Source View
<<Show
Hide>>
Defaults
Apply
OK
Cancel

L2 RGB-YUV
L3 DVI
L4 RGB-DB15
L2 Video

L3 RGB-DB15
PC
L2 S-Video
L4 DVI

Image 8-15
Source view settings

The sources on the left side are visible on the source widget, and the sources on the right side are hidden.

4. Click **<<Show** or **Hide>>** to show or hide sources in the source widget

8.3 Immediate versus Preview mode

What is immediate mode?

In immediate mode, the changes that you make to the viewer windows through XDS Remote Control Center will directly take effect on the display. From the image below, you will see that immediate mode has been selected.

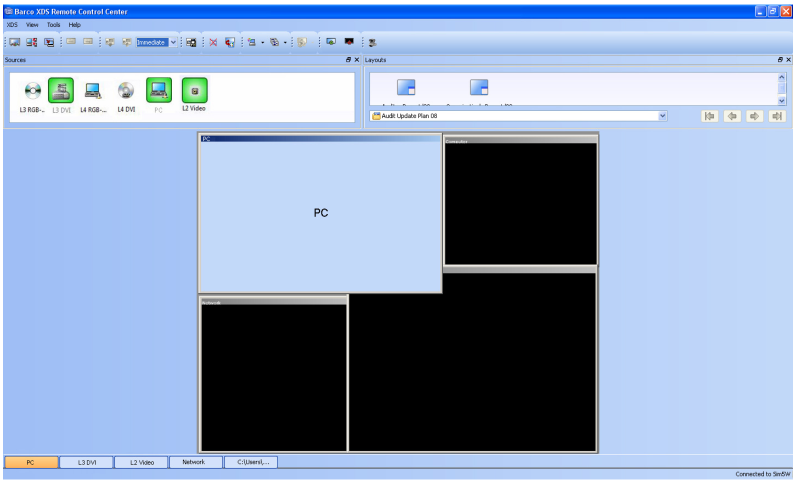

Barco XDS Remote Control Center
XDS
View
Tools
Help
Immediate
Sources
Layouts
L3 RGB-...
L3 DVI
L4 RGB-...
L4 DVI
PC
L2 Video
Audit Update Plan 08
PC
PC
L3 DVI
L2 Video
Network
C:\Users\...
Connected to SimSW

Image 8-16
Immediate mode

You will also notice that the buttons to get/apply window arrangement has been disabled.

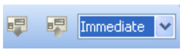


Image 8-17
Window arrangement buttons disabled

What is preview mode?

In **PREVIEW** mode, the XDS Remote Control Center is connected to the XDS display, but it will not track the layout of the XDS display in real time. You can copy the actual window arrangement from the connected display, which will then appear on the XDS Remote Control Center workspace. You can subsequently use the XDS Remote Control Center workspace to arrange windows as per your wish. These changes will only be executed on the XDS display after you explicitly send your changes to the XDS display through the **Apply** button. The modified window arrangement will be visible on the display immediately. The following topic will let you know how to work in preview mode.

8.3.1 Working in preview mode

How to get window arrangement?

1. From the **Interaction Mode** tool bar, select **Preview** from the drop-down list
2. The **Get/Apply Window Arrangement** buttons will be enabled
3. Click **Get Window Arrangement**

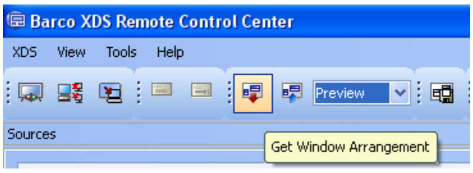
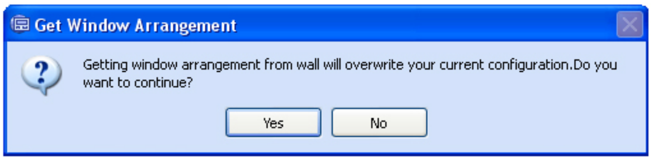

Barco XDS Remote Control Center
XDS
View
Tools
Help
Preview
Sources
Get Window Arrangement

Image 8-18
Get window arrangement

An information window pops up.


Get Window Arrangement
Yes
No

Getting window arrangement from wall will overwrite your current configuration.Do you want to continue?

Image 8-19
Information window

4. Click **Yes** to confirm

   The window arrangement on the display will be applied automatically on the XDS Remote Control Center interface.

How to apply window arrangement?

1. Arrange the windows as per your wish
2. From the **Interaction Mode** tool bar, select **Preview** from the drop-down list
3. The **Get/Apply Window Arrangement** buttons will be enabled

4. Click **Apply Window Arrangement**

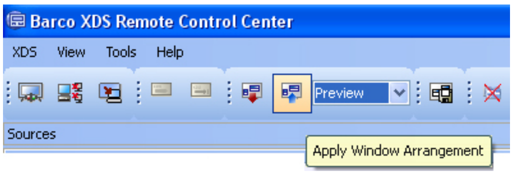

Barco XDS Remote Control Center
XDS
View
Tools
Help
Preview
Sources
Apply Window Arrangement

Image 8-20
Apply window arrangement

The current window arrangement will be applied on the display.

8.4 Using the workspace

8.4.1 Manipulating windows

How to position a viewer?

You can drag to position a viewer or resize a viewer from XDS Remote Control Center.

1. Click on the viewer

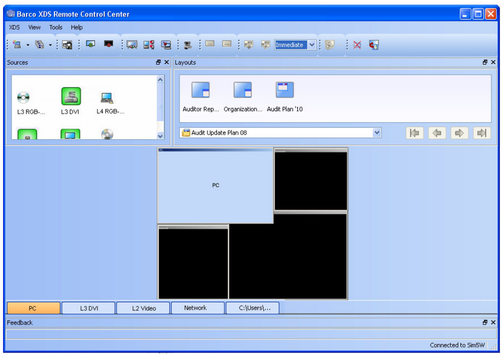

Barco XDS Remote Control Center
XDS
View
Tools
Help
Immediate
Sources
Layouts
L3 RGB-...
L3 DVI
L4 RGB-...
Auditor Rep...
Organization...
Audit Plan '10
Audit Update Plan 08
PC
PC
L3 DVI
L2 Video
Network
C:\Users\...
Feedback
Connected to SimSW

Image 8-21

2. Now keep pressing the left mouse button and drag the mouse to position the viewer on the display

How to resize a viewer?

1. Click on the viewer
2. Now drag the corner of the viewer by continuously pressing the left mouse button or do the same on the side borders

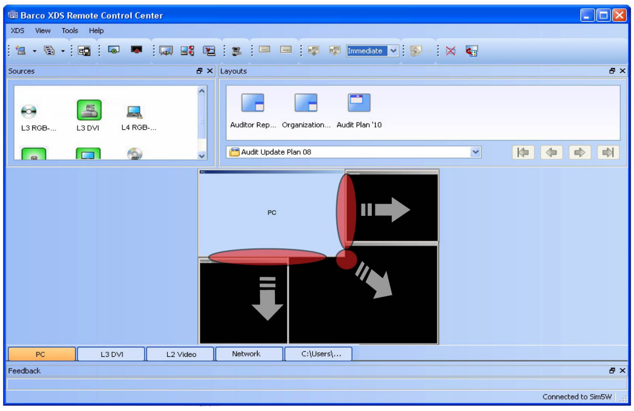

Barco XDS Remote Control Center
XDS
View
Tools
Help
Immediate
Sources
Layouts
L3 RGB-...
L3 DVI
L4 RGB-...
Auditor Rep...
Organization...
Audit Plan '10
Audit Update Plan 08
PC
PC
L3 DVI
L2 Video
Network
C:\Users\...
Feedback
Connected to SimSW

Image 8-22
Resize viewer

8.4.2 Using right-click option

Overview

In XDS Remote Control Center, the standard options available to you when you right-click on a source window is limited compared to the options available on the actual display (XDS Control Center). To know how to use all the options refer to "Settings of a source — right-click option", page 39.

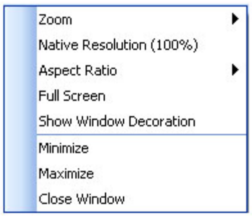

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Minimize
Maximize
Close Window

Image 8-23
XDS Remote Control Center: Right-click option

The option available only through XDS Remote Control Center are described in the following topics.

All the changes that you make to the source windows immediately take effect on the display depending on preview or immediate mode.

8.4.2.1 Maximizing a window

How to maximize a window?

1. Right-click on the source window
2. Click *Maximize*

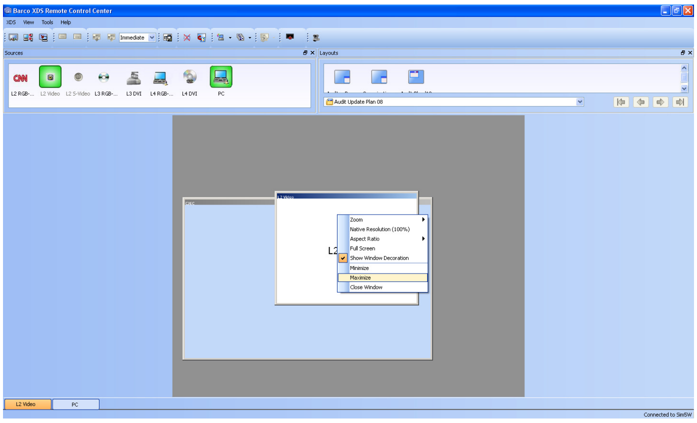

Barco XDS Remote Control Center
Sources
Layouts
Immediate
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Minimize
Maximize
Close Window
L2 Video
PC
Connected to SimSW

Image 8-24
Maximize window

The selected source window will be maximized to full screen and will be available in full screen on the display.

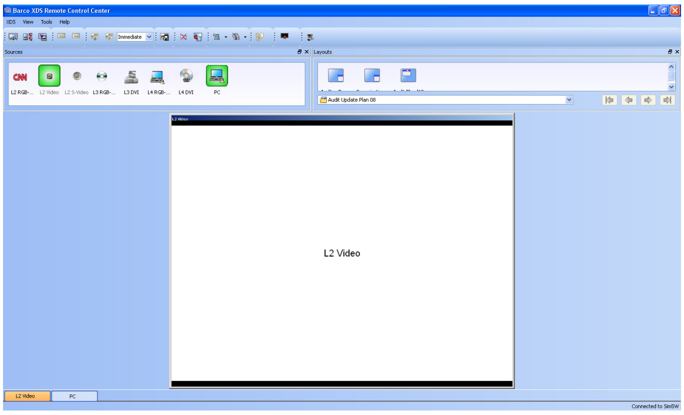

Barco XDS Remote Control Center
Sources
Layouts
Immediate
L2 Video
PC
Connected to SimSW

Image 8-25
Maximized window

8.4.2.2 Minimizing a window

How to minimize a window?

1. Right-click on the source window to open the context menu
2. Click *Minimize*

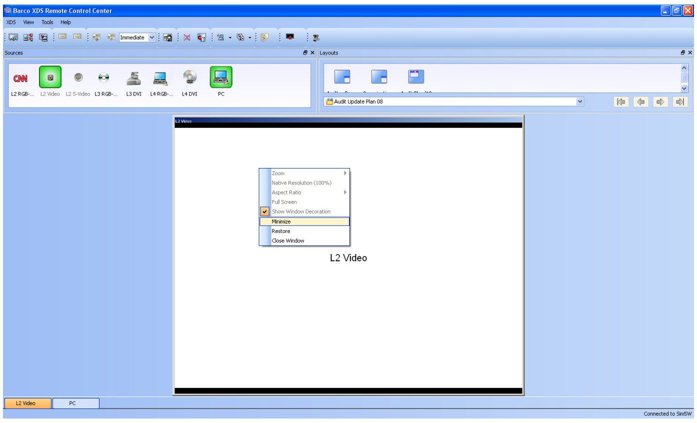

Barco XDS Remote Control Center
XDS View Tools Help
Sources
Layouts
Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Minimize
Restore
Close Window
L2 Video
PC
Connected to SimSW

Image 8-26
Minimize window

The window will minimize to a tab on the bottom of the XDS Remote Control Center workspace.

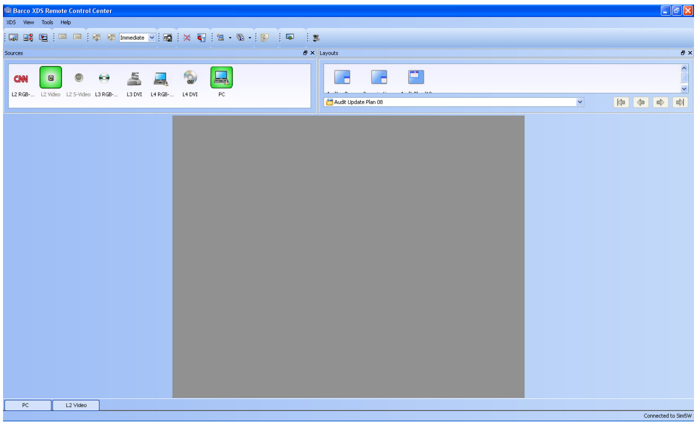

Barco XDS Remote Control Center
PC
L2 Video
Connected to SimSW

Image 8-27
Window minimized to tab

To restore the minimized window back to its previous position:

a) Right-click on the tab

b) Click *Restore*

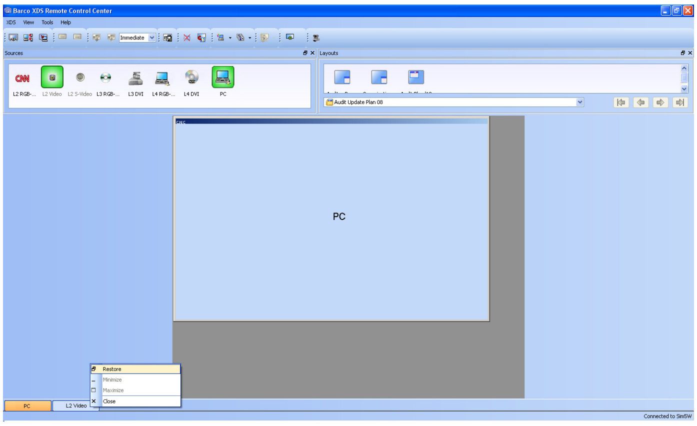

Barco XDS Remote Control Center
PC
Restore
Minimize
Maximize
Close
L2 Video
Connected to SimSW

Image 8-28
Restore a window

You can also use the shortcut menu when you right-click on tab and perform various operations.

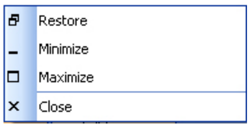

Restore
Minimize
Maximize
Close

Image 8-29
Shortcut menu

Restore: To restore the window to previous position

Maximize: To maximize a window to full-screen. You can maximize only after restoring.

Minimize: To Minimize a window as a tab on the bottom of the workspace

Close: To close the window

8.4.2.3 Restoring a window

How to restore a window?

After you maximize a viewer from XDS Remote Control Center, you will find an option to restore the window.

1. Right-click on the viewer to open the context menu

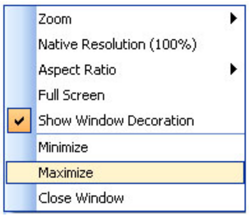

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Minimize
Maximize
Close Window

Image 8-30
Maximize window

2. Select *Restore*

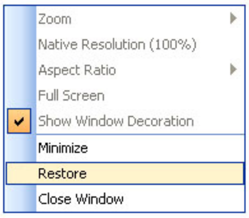

Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
Show Window Decoration
Minimize
Restore
Close Window

Image 8-31
Restore window

The window will be restored to its original position.

9. XDS REMOTE KEYBOARD MOUSE CONTROL

Introduction

You need administrative privilege on the PC, on which you desire to run the remote pointer installer. To control a remote computer connected through hard-wired connection (RGB or DVI cable) using the keyboard and mouse of the XDS Display System, install the XDS Remote Pointer installer, i.e. **XDS_x.x.x.x_RemotePointer.exe** on the remote computer.

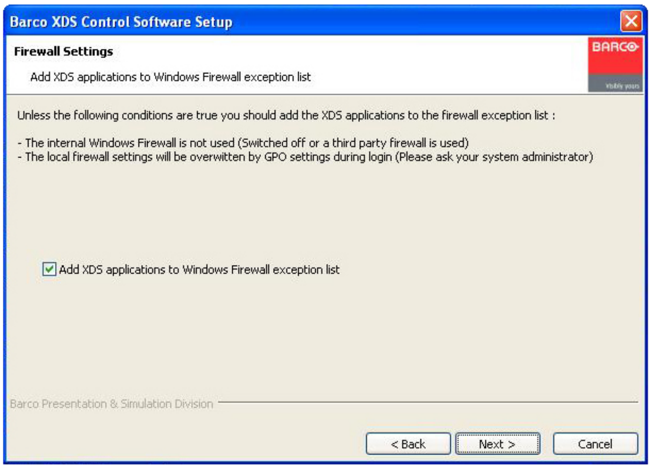
Currently, XDS Remote Keyboard Mouse Control software supports Windows XP, Vista7, and Windows7 platforms.

The following topic will guide you how to install the remote pointer installer.

9.1 Installing the remote pointer

How to install remote pointer?

1. After reading the XDS installation CD, double-click on **XDS_x.x.xx.x_RemotePointer.exe** file to install the software, where ’x’ refers to the version number of the XDS software
2. If you want to add the XDS application to the Windows firewall exception list, then check this option
   Note: *Make sure you add XDS to the exceptions list if the displayed conditions are not met, or the firewall might block broadcast messages on XDS display*



Firewall Settings

Add XDS applications to Windows Firewall exception list

Unless the following conditions are true you should add the XDS applications to the firewall exception list :

- The internal Windows Firewall is not used (Switched off or a third party firewall is used)
- The local firewall settings will be overwritten by GPO settings during login (Please ask your system administrator)

☑ Add XDS applications to Windows Firewall exception list

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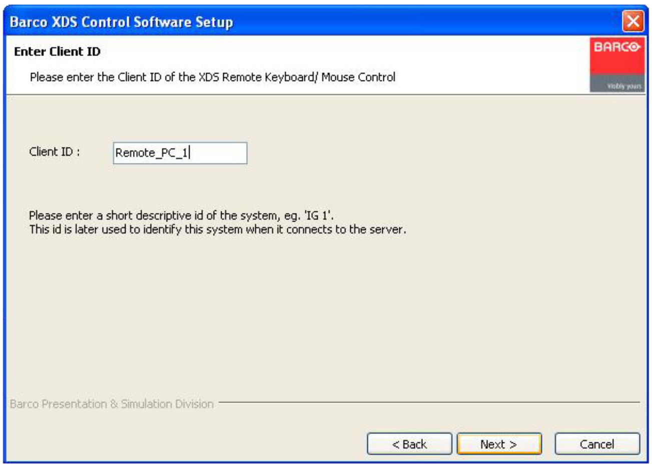
Image 9-1
Firewall settings

3. Click **Next>** after every step to proceed further
4. On the **Enter Client ID** page, you need to enter a short descriptive identification for the remote system
   When the remote system connects to the XDS Display, this ID is internally used to identify it.



Enter Client ID

Please enter the Client ID of the XDS Remote Keyboard/ Mouse Control

Client ID : Remote_PC_1

Please enter a short descriptive id of the system, eg. 'IG 1'.
This id is later used to identify this system when it connects to the server.

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Image 9-2
Client ID page

5. On the **Enter Target Display ID** page, you need to type in the Display ID of the target display system
   You can find the Target Display ID of the XDS Display from the XDS Control Center interface.

a) From the XDS Control Center interface, go to **Help** menu

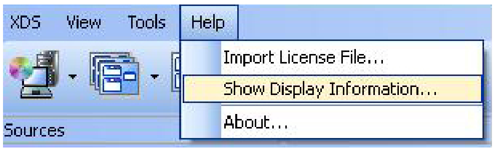
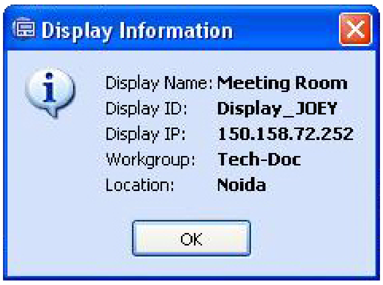


Image 9-3
Help menu

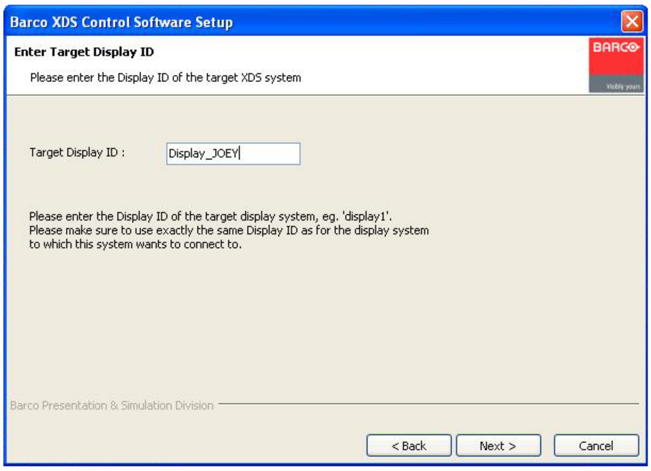
b) Click *Show Display Information*
The **Display Information** dialog opens.


Display Information

Display Name: **Meeting Room**
Display ID: **Display_JOEY**
Display IP: **150.158.72.252**
Workgroup: **Tech-Doc**
Location: **Noida**

Image 9-4
Display Information dialog

The **Target Display ID** refers to the **Display ID** in the **Display Information** dialog.


Barco XDS Control Software Setup

Enter Target Display ID

Please enter the Display ID of the target XDS system

Target Display ID : Display_JOEY

Please enter the Display ID of the target display system, eg. 'display1'.
Please make sure to use exactly the same Display ID as for the display system
to which this system wants to connect to.

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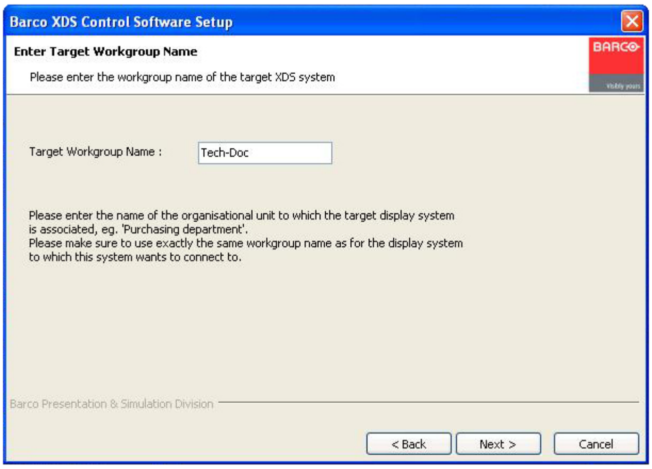
Image 9-5
Target Display ID page

Tip: *Also note the* ***Workgroup*** *and* ***Location*** *from the Display Information dialog of the target display system, since this information will be required to complete the installation.*

6. On the **Enter Target Workgroup Name** page, in the text box, type the **Workgroup** noted from the XDS Control Center


Barco XDS Control Software Setup

Enter Target Workgroup Name

Please enter the workgroup name of the target XDS system

Target Workgroup Name : Tech-Doc

Please enter the name of the organisational unit to which the target display system
is associated, eg. 'Purchasing department'.
Please make sure to use exactly the same workgroup name as for the display system
to which this system wants to connect to.

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Image 9-6
Target Workgroup name

7. On the **Enter Target Location Name** page, in the text box, type the **Location** noted from the XDS Control Center
8. Check **Enable User Authentication** as per requirement

   Enabling User Authentication ensures that users must authenticate themselves when trying to access this remote system, on which Remote Keyboard Mouse Control software is installed. For sources that everyone can see and control, this option should be switched off.
9. Click **Finish** to end the installation
10. Reboot the remote system

9.2 Configuring the XDS system

On the desktop generating PC (PC that generates the desktop on the Wall), make sure XDS software is running.

Overview

From the XDS Configuration tool, you can configure the XDS system for using the Remote Keyboard/Mouse functionality. The following procedure will guide you through the configuration.

9.2.1 Configuring the XDS configuration tool

You do not have to stop the XDS software for configuring the XDS system.

How to configure the XDS configuration tool?

1. Go to following path: **C:\Program Files\Barco\XDS\bin**
2. Run **ICSystemConfigurationTool.exe**

   The **Authenticate** dialog opens.

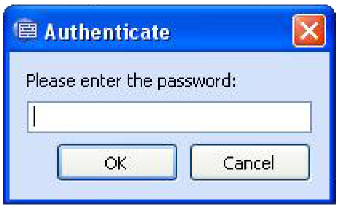
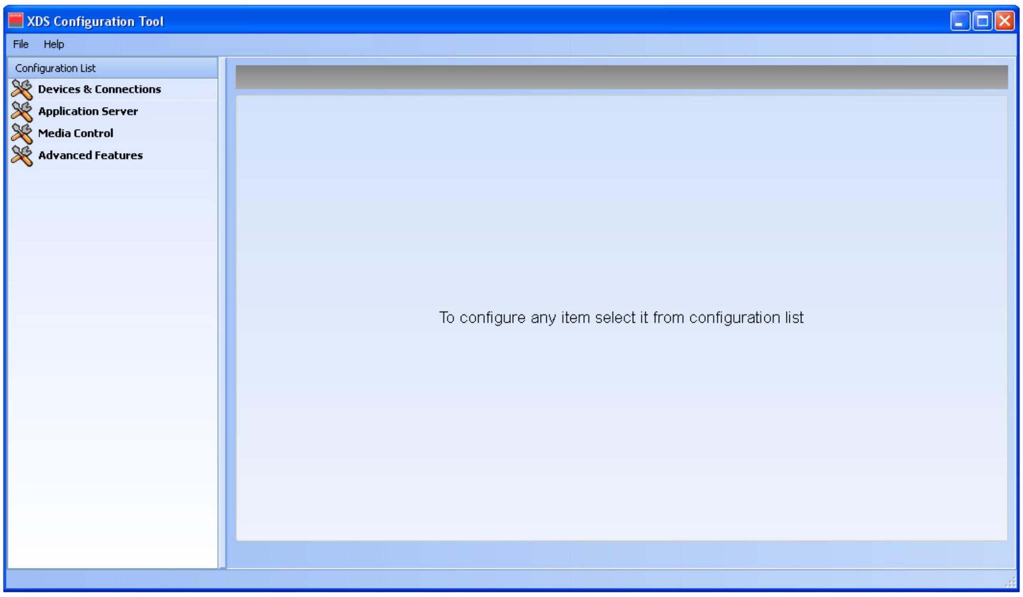


Image 9-7
Authenticate dialog

3. Enter the password and click **OK**

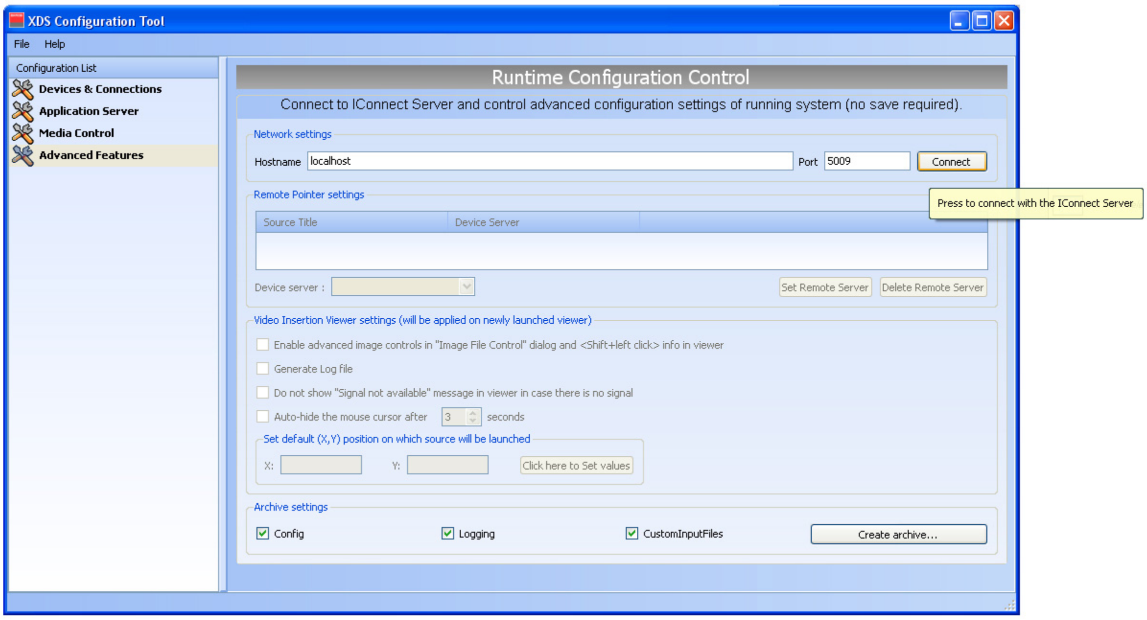
   The **XDS Configuration Tool** dialog opens.


XDS Configuration Tool
File
Help
Configuration List
Devices & Connections
Application Server
Media Control
Advanced Features

To configure any item select it from configuration list

Image 9-8
XDS Configuration Tool dialog

4. From the left pane, click **Advanced Features**


XDS Configuration Tool
File
Help
Configuration List
Devices & Connections
Application Server
Media Control
Advanced Features
Network settings
Connect
Remote Pointer settings
Source Title
Device Server
Device server :
Set Remote Server
Delete Remote Server
Video Insertion Viewer settings (will be applied on newly launched viewer)
Set default (X,Y) position on which source will be launched
X:
Y:
Click here to Set values
Archive settings
Create archive...

Runtime Configuration Control

Connect to IConnect Server and control advanced configuration settings of running system (no save required).

Hostname localhost Port 5009

Press to connect with the IConnect Server

☐ Enable advanced image controls in "Image File Control" dialog and <Shift+left click> info in viewer

☐ Generate Log file

☐ Do not show "Signal not available" message in viewer in case there is no signal

☐ Auto-hide the mouse cursor after 3 seconds

☑ Config ☑ Logging ☑ CustomInputFiles

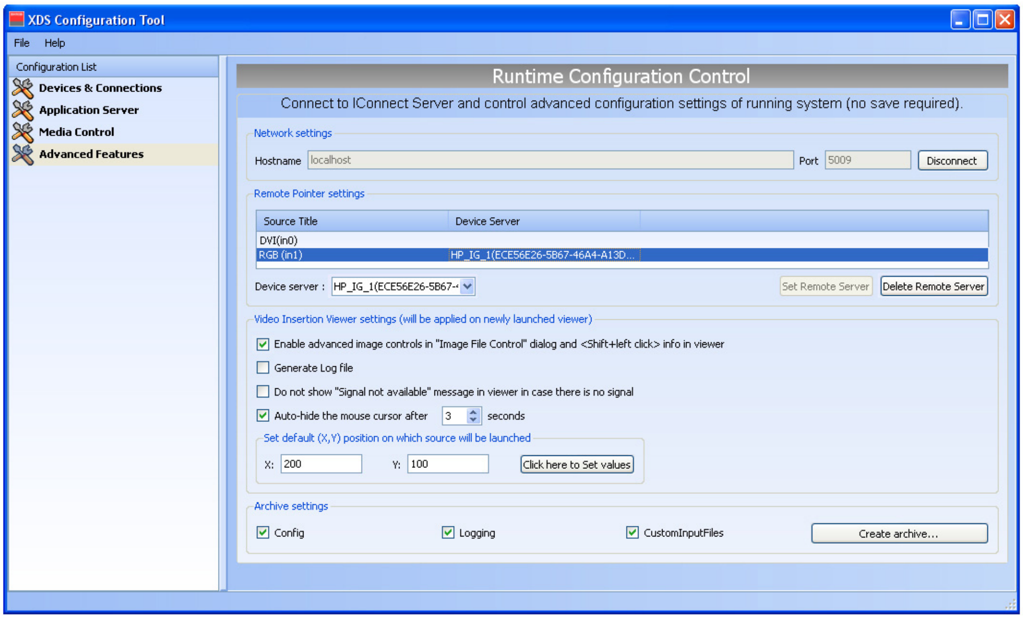
Image 9-9
Selecting Advanced features

> ***Note:*** *It is not necessary to load the configuration files!*

5. Click **Connect**

   On successful connection, you will see the **Connect** button disabled and **Disconnect** button enabled. The **Remote Pointer Settings** section will also be enabled.

6. In the **Source List**, identify the source that you wish to control remotely and select this source


XDS Configuration Tool
File
Help
Configuration List
Devices & Connections
Application Server
Media Control
Advanced Features
Runtime Configuration Control
Network settings
Disconnect
Remote Pointer settings
Set Remote Server
Delete Remote Server
Video Insertion Viewer settings (will be applied on newly launched viewer)
Set default (X,Y) position on which source will be launched
Click here to Set values
Archive settings
Create archive...

Connect to IConnect Server and control advanced configuration settings of running system (no save required).

Hostname: localhost
Port: 5009

Source Title	Device Server
DVI(in0)	
RGB (in1)	HP_IG_1(ECE56E26-5B67-46A4-A13D...

Device server : HP_IG_1(ECE56E26-5B67-·

☑ Enable advanced image controls in "Image File Control" dialog and <Shift+left click> info in viewer
☐ Generate Log file
☐ Do not show "Signal not available" message in viewer in case there is no signal
☑ Auto-hide the mouse cursor after 3 seconds

X: 200
Y: 100

☑ Config
☑ Logging
☑ CustomInputFiles

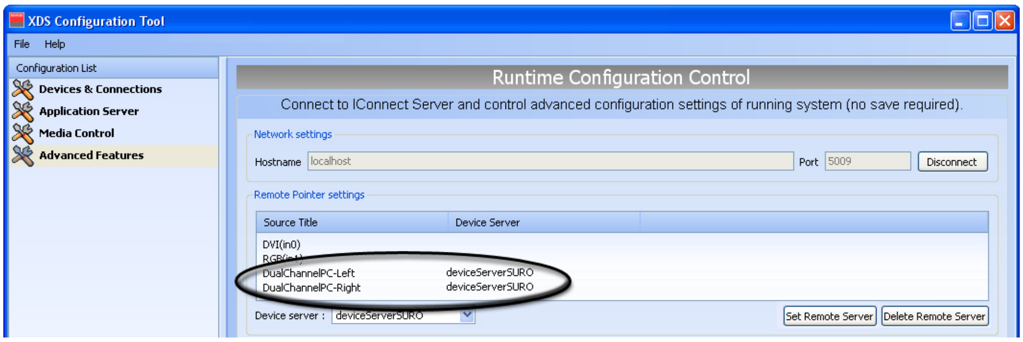
Image 9-10
Selecting Device Server

Verify if the Remote Pointer Installation has started a Device Server on the Remote PC. On the remote PC, open the **Windows Task Manager**, under **Processes** tab, look for **ICDeviceServer.exe**.

If so, then on your desktop generating PC, you will be able to find the remote Device Server in the **Device Server** combo-box.

7. Select this Device Server in the combo-box
Note: *The text within brackets parentheses after HP_IG_1 is a system generated identifier.*

Note: *For Dual Channel PC setup, the PC should be set to Horizontal Spanning mode and both the sources should be paired with the same Device Server.*


XDS Configuration Tool
File
Help
Configuration List
Devices & Connections
Application Server
Media Control
Advanced Features
Runtime Configuration Control
Network settings
Disconnect
Remote Pointer settings
Set Remote Server
Delete Remote Server

Connect to IConnect Server and control advanced configuration settings of running system (no save required).

Hostname: localhost
Port: 5009

Source Title	Device Server
DVI(in0)	
RGB(in1)	
DualChannelPC-Left	deviceServerSURO
DualChannelPC-Right	deviceServerSURO

Device server : deviceServerSURO

Image 9-11
Dual Channel PC setup

8. Click **Set Remote Server**

Now the selected Remote Server (selected in the Combo-box) will be paired with the selected Source (in the Source List) as its remote Device Server. The XDS System has been configured.

9. Disconnect from the local host XDS Server
Note: *Please make sure to pair the correct Source and its Device Server. If configured incorrectly, the Remote Keyboard/Mouse functionality will not work!*

10. Close the **XDS Configuration Tool** dialog

9.3 Enabling Remote Keyboard/Mouse control

How to enable remote keyboard/mouse control?

After configuring the XDS system, when you start the XDS Control Center, the remote source icon will appear in the sources widget.

1. From your desktop, start the XDS Control Center and launch the remote source. In this case it is **RGB(in1)**

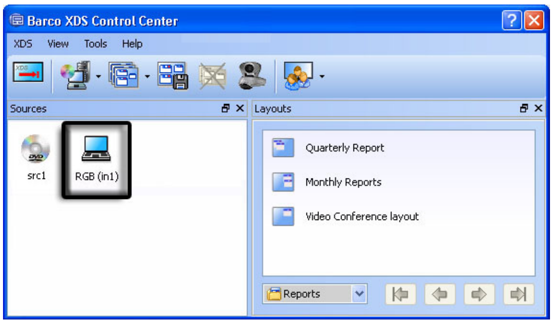

Barco XDS Control Center
XDS
View
Tools
Help
Sources
src1
RGB (in1)
Layouts
Quarterly Report
Monthly Reports
Video Conference layout
Reports

Image 9-12
Launching remote source

2. From the viewer of the launched source, right-click to open the context menu
3. Click *Enable Remote Keyboard/Mouse Control*

   The remote keyboard/mouse control will be enabled.

To know how to use the XDS Remote Keyboard Mouse Control, see "Using remote keyboard/mouse control", page 54. To disable XDS Remote Keyboard Mouse Control, see "Disable remote keyboard/mouse control", page 55.

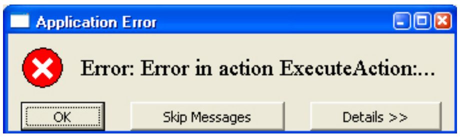
10. TROUBLESHOOTING

10.1 XDS software installation issues

10.1.1 Error message while installation is in progress

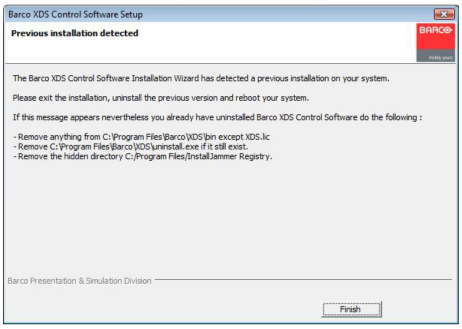
Solution steps

1. When you get the following error messages while installing, stop or abort installation



Error: Error in action ExecuteAction:...

Image 10-1
Application error


Barco XDS Control Software Setup
BARCO
Barco Presentation & Simulation Division
Finish

Previous installation detected

The Barco XDS Control Software Installation Wizard has detected a previous installation on your system.

Please exit the installation, uninstall the previous version and reboot your system.

If this message appears nevertheless you already have uninstalled Barco XDS Control Software do the following :

- Remove anything from C:\Program Files\Barco\XDS\bin except XDS.lic
- Remove C:\Program Files\Barco\XDS\uninstall.exe if it still exist.
- Remove the hidden directory C:/Program Files/InstallJammer Registry.

Image 10-2
Installation error

Note: *The image 10-2 is displayed in cases when previous installation was not properly uninstalled, i.e. manual uninstallation*

2. Go to directory **C:\Program Files**
3. Find hidden directories:
   - InstallJammer Registry
   - InstallShield Installation Information
4. Delete both these directories
   Note: *Make sure you have Windows administrator privileges*
5. Restart installation

10.2 License related issues

Overview

If you do not have a valid license, please contact Barco.

10.2.1 License error

Solution steps

1. Check for the XDS license file at the following location **C:\Documents and Settings\All Users\Application Data\Barco\XDS**
2. If the license file is present already, then check the System ID that you had sent to Barco while requesting for a license
   Please ensure that the System ID supplied to Barco was correct.

10.2.2 Installing new license file

How to install new license file?

1. Login to Windows with administrator privileges
2. On the XDS Control Center interface, open the **Help** menu
3. Click *Import license file...*
4. Browse to the location where the XDS license file is stored and click **Open**

   You will receive a message that license has been imported successfully.
5. Reboot PC

If the application does not work, take the following steps below:

1. Stop XDS software
2. Go to the path where the XDS license file is stored i.e. **C:\Documents and Settings\All users\Application Data\Barco\XDS**
3. Delete the old license file (.lic) from that location
4. Copy new License file received (.lic) in that same location
5. Start XDS software

10.2.3 License has expired

How to get a new license file after expiry?

1. Login to Windows with administrator privileges
2. Stop XDS Software
3. Go to the location where the XDS license file is stored i.e. **C:\Documents and Settings\All Users\Application Data\Barco\XDS** directory and move your existing **XDS.lic** file to another location
4. Send request to Barco for a new license file specifying the System ID or the Projector serial number, depending on the System Installation
5. Finding System ID or Serial number depends on the type of system installation:
    - For XDS Control Center software with projectors or XDS-100
        1) Start up the XDS System
        2) Connect to the XDS system through XDS Desktop Sharing Client
        3) License error will be displayed in **Feedback** window along with Serial ID
            - For NW-xx (Projector) system installation, the Serial number of the projector will be displayed on the Display Panel in front of the projector
            - For Dual Channel configuration, please note the serial numbers of both the projectors
    - For XDS Control Center software with XDS-150/200/400/1000 processors
        1) Start up the XDS System
        2) License error will appear in an **Error Message** box displaying the System ID
    - For XDS Control Center software without XDS hardware
        - The client installer needs to be installed on this client machine
        - License is not required for the application to work

10.3 XDS Control Center related issues

10.3.1 XDS Control Center does not startup

What to do if the XDS Control Center does not startup?

You need to start the application manually, or stop and start the software, or view the services of Barco. Follow the steps below to troubleshoot this issue.

10.3.1.1 Starting XDS Control Center application manually

How to start the XDS Control Center application manually?

1. Click the *Start* button
2. Select *All Programs*
3. Select *Barco XDS Control Software*

4. Click *Start XDS Software*
   Note: *It takes 20 seconds for the XDS application to start/stop.*

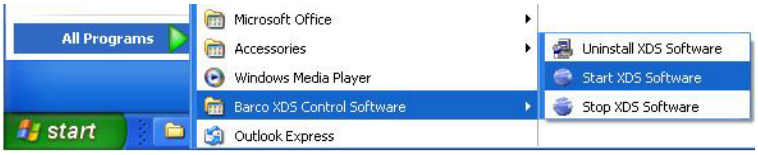

All Programs
start
Microsoft Office
Accessories
Windows Media Player
Barco XDS Control Software
Outlook Express
Uninstall XDS Software
Start XDS Software
Stop XDS Software

Image 10-3
XDS CC application: Starting the application

The XDS Control Center application will start up.

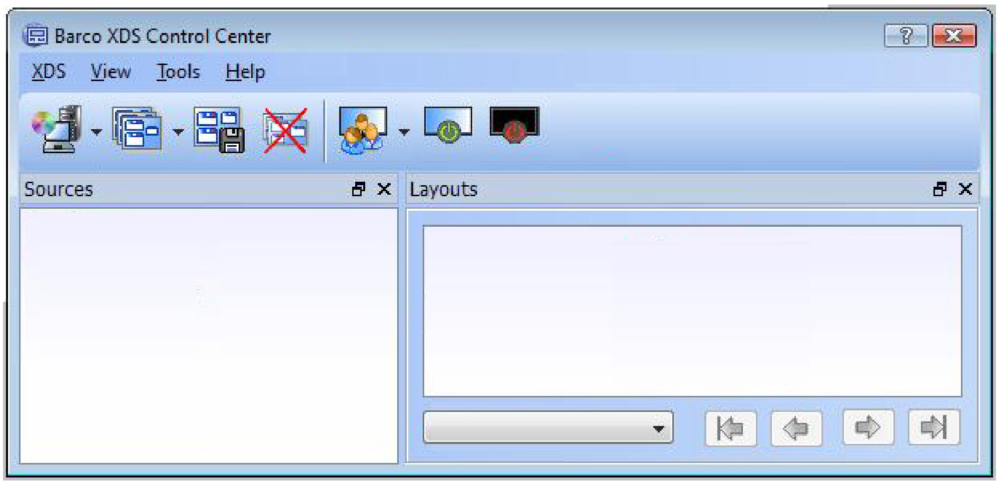

Barco XDS Control Center
XDS
View
Tools
Help
Sources
Layouts

Image 10-4
XDS CC application: View

10.3.1.2 Stopping and starting the XDS software

To stop and start the XDS software

1. Click the *Start* button
2. Go to *All Programs*
3. Select *Barco XDS Control Software*
4. Click *Stop XDS Software*
   Note: *Please wait for 20 to 30 seconds for the XDS software to stop its services.*
5. Now open **Start** menu once again
6. Go to *All Programs*
7. Select *Barco XDS Control Software*
8. Click *Start XDS Software*
   Note: *Please wait for 20 to 30 seconds for the XDS software to startup.*

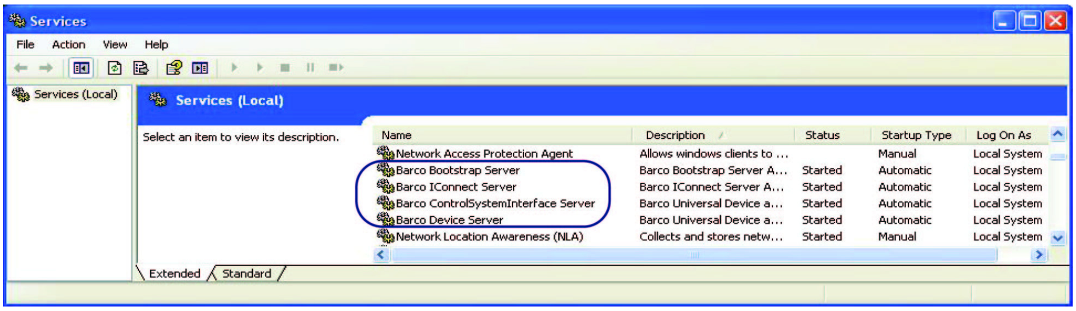
   Now the XDS Control Center application will startup. If you still do not see the application, then please check the status of Barco services.

10.3.1.3 Verify the services of Barco in XDS Control Center PC

To verify the services of Barco in XDS Control Center PC

1. From the XDS Control Center PC, open the **Start** menu
2. Click *Control Panel*
3. Double click **Administrative Tools**
4. Double click **Services**

The **Services** viewer opens up.



Select an item to view its description.

Name	Description	Status	Startup Type	Log On As
Network Access Protection Agent	Allows windows clients to ...		Manual	Local System
Barco Bootstrap Server	Barco Bootstrap Server A...	Started	Automatic	Local System
Barco IConnect Server	Barco IConnect Server A...	Started	Automatic	Local System
Barco ControlSystemInterface Server	Barco Universal Device a...	Started	Automatic	Local System
Barco Device Server	Barco Universal Device a...	Started	Automatic	Local System
Network Location Awareness (NLA)	Collects and stores netw...	Started	Manual	Local System

Image 10-5
XDS CC application: Checking Barco services

5. Check the status of the following services:
   - **Barco Bootstrap Server**
   - **Barco IConnect Server**
   - **Barco ControlSystemInterface Server**
   - **Barco Device Server**

   The status should be displayed as **Running**. If you do not see the XDS application, you need to verify if the user applications are available. See the topic below.

How to verify if the user applications are available in XDS Control Center PC?

1. Go to **Start** menu
2. Click *All Programs*
3. Click *Startup*
4. Verify if **Barco Application Server** and **XDS Control Center** are visible
   Note: *The two user applications,* ***Barco Application Server*** *and* ***XDS Control Center*** *are automatically started at logon. They are located in the following directory,* ***C:\Documents and Settings\All Users\Start Menu\Programs\Startup***
5. If you do not see the applications, then we recommend you to uninstall and reinstall the appropriate software on the system

10.3.2 XDS Control Center is not running

Solution steps

You need to check if XDS Control Center has crashed or terminated incorrectly.

1. Press **CTRL-ALT-DEL** to launch the **Task Manager** dialog
2. Click **Processes** tab to get a sorted list of processes

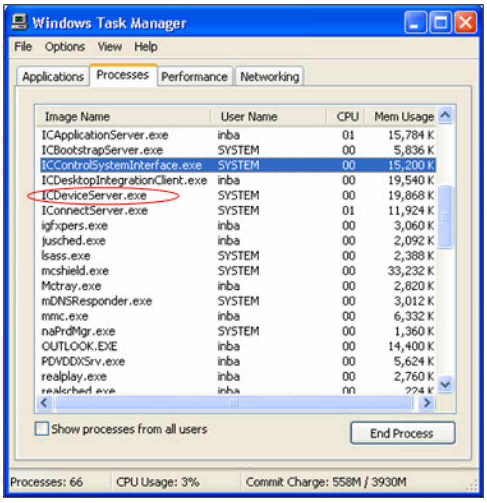


Image Name	User Name	CPU	Mem Usage
ICApplicationServer.exe	inba	01	15,784 K
ICBootstrapServer.exe	SYSTEM	00	5,836 K
ICControlSystemInterface.exe	SYSTEM	00	15,200 K
ICDesktopIntegrationClient.exe	inba	00	19,540 K
ICDeviceServer.exe	SYSTEM	00	19,868 K
IConnectServer.exe	SYSTEM	01	11,924 K
igfxpers.exe	inba	00	3,060 K
jusched.exe	inba	00	2,092 K
lsass.exe	SYSTEM	00	2,388 K
mcshield.exe	SYSTEM	00	33,232 K
Mctray.exe	inba	00	2,820 K
mDNSResponder.exe	SYSTEM	00	3,012 K
mmc.exe	inba	00	6,332 K
naPrdMgr.exe	SYSTEM	00	1,360 K
OUTLOOK.EXE	inba	00	14,400 K
PDVDDXSrv.exe	inba	00	5,624 K
realplay.exe	inba	00	2,760 K
realsched.exe	inba	00	224 K

☐ Show processes from all users

Processes: 66 CPU Usage: 3% Commit Charge: 558M / 3930M

Image 10-6
Widows Task Manager: *ICDesktopIntegrationClient.exe*

You can see the XDS control software executables (**IC...exe**) that are running

3. Verify if **ICDesktopIntegrationClient.exe** is visible in the list

   If not, you need to reboot the XDS display PC to restart the XDS software.

10.3.3 XDS Control Center icon appears with red cross in the system tray

Reason

This situation might occur if *IConnect Server* is not running or has terminated incorrectly. In such case, the XDS Control Center icon in the system tray has a red cross mark. For this, you need to check if *IConnect Server* is running.

Solution steps

1. Press **CTRL-ALT-DEL** to launch the **Task Manager** dialog
2. Click **Processes** tab to get a sorted list of processes

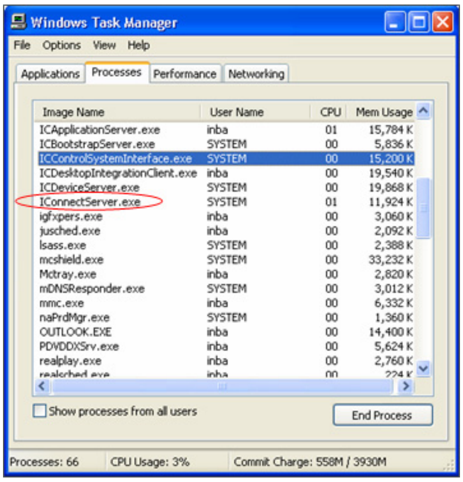


Image Name	User Name	CPU	Mem Usage
ICApplicationServer.exe	inba	01	15,784 K
ICBootstrapServer.exe	SYSTEM	00	5,836 K
ICControlSystemInterface.exe	SYSTEM	00	15,200 K
ICDesktopIntegrationClient.exe	inba	00	19,540 K
ICDeviceServer.exe	SYSTEM	00	19,868 K
IConnectServer.exe	SYSTEM	01	11,924 K
igfxpers.exe	inba	00	3,060 K
jusched.exe	inba	00	2,092 K
lsass.exe	SYSTEM	00	2,388 K
mcshield.exe	SYSTEM	00	33,232 K
Mctray.exe	inba	00	2,820 K
mDNSResponder.exe	SYSTEM	00	3,012 K
mmc.exe	inba	00	6,332 K
naPrdMgr.exe	SYSTEM	00	1,360 K
OUTLOOK.EXE	inba	00	14,400 K
PDVDDXSrv.exe	inba	00	5,624 K
realplay.exe	inba	00	2,760 K
realsched.exe	inba	00	224 K

☐ Show processes from all users

Processes: 66 CPU Usage: 3% Commit Charge: 558M / 3930M

Image 10-7
Windows Task Manager: *IConnectServer.exe*

You can see the XDS control software executables (**IC...exe**) that are running

3. Verify if **IConnectServer.exe** is visible in the list

   If not, you need to reboot the system to restart the XDS software

10.3.4 XDS Control Center does not show hardware sources

Reason

This situation might occur if the device server is not running or has been terminated incorrectly. You need to check if the device server is running.

Solution steps

1. Press **CTRL-ALT-DEL** to launch the **Task Manager** dialog
2. Click **Processes** tab to get a sorted list of processes

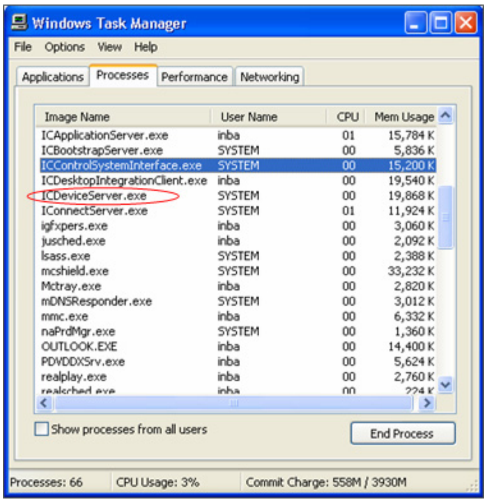


Image Name	User Name	CPU	Mem Usage
ICApplicationServer.exe	inba	01	15,784 K
ICBootstrapServer.exe	SYSTEM	00	5,836 K
ICControlSystemInterface.exe	SYSTEM	00	15,200 K
ICDesktopIntegrationClient.exe	inba	00	19,540 K
ICDeviceServer.exe	SYSTEM	00	19,868 K
IConnectServer.exe	SYSTEM	01	11,924 K
igfxpers.exe	inba	00	3,060 K
jusched.exe	inba	00	2,092 K
lsass.exe	SYSTEM	00	2,388 K
mcshield.exe	SYSTEM	00	33,232 K
Mctray.exe	inba	00	2,820 K
mDNSResponder.exe	SYSTEM	00	3,012 K
mmc.exe	inba	00	6,332 K
naPrdMgr.exe	SYSTEM	00	1,360 K
OUTLOOK.EXE	inba	00	14,400 K
PDVDDXSrv.exe	inba	00	5,624 K
realplay.exe	inba	00	2,760 K
realsched.exe	inba	00	224 K

☐ Show processes from all users

Processes: 66 CPU Usage: 3% Commit Charge: 558M / 3930M

Image 10-8
Windows Task Manager: ICDeviceServer.exe

You can see the XDS control software executables (**IC...exe**) that are running

3. Verify if **ICDeviceServer.exe** is visible in the list

   If not, you need to reboot the system to restart the XDS software

10.4 Source related issues

10.4.1 Error message while launching a source

Solution steps

1. If you receive the following error message Application server is not running when launching a source, from the **START** menu, *Barco XDS Control Software*, click *Stop XDS Software*

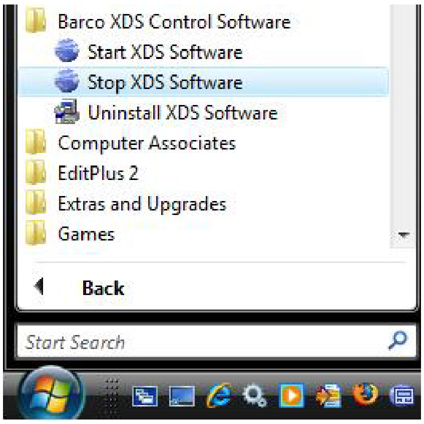

Barco XDS Control Software
Start XDS Software
Stop XDS Software
Uninstall XDS Software
Computer Associates
EditPlus 2
Extras and Upgrades
Games
Back
Start Search

Image 10-9
Stop XDS software

2. Then click *Start XDS software* to restart

   Or, if you have two network cards and only one of them is being used, disable the unused network card to resolve the issue.

10.4.2 Launching a source takes long time

Reason

There is probably a video conference device in the setup but this device is not responding.

Solution steps

1. Please check if the video conference device is switched off
2. Or check if the video conference device has a different IP address
3. If problem persists, please see the **ICDeviceServer.log** file at the following location **C:\Program Files\Barco\XDS\logging**

10.4.3 Misaligned insert in viewer window

Solution steps

1. Check for the resolution of the display and the projector. Both should be the same.
2. For WND, if **File Selection** does not seem to select the right settings, it may be due to following reason:
   - WND only supports DVI cables and 5BNC cables, so direct DB15 to DB15 (which gives EDID info for analog sources) is not supported

   WND supports:

- DB15 → 5BNC connected to 5BNC → DVI which does not transmit EDID signals for analog sources

Image 10-10
DB15 → 5BNC connected to 5BNC → DVI

- DB15 → 5BNC connected to 5BNC → DB15 connected to DB15/DVI converter piece (an indirect DB15 cable)
- DB15 → DV1
- DVI → DVI (if you have a PC with DVI output that you want to connect to the WND)

Image 10-11
DVI → DVI

10.4.4 No image in inserts

Reason

This scenario happens mostly in Windows Vista OS, where the Graphics Card is set to 16 bit color depth causing the Color Key to be wrong, and hence no image is visible in Inserts.

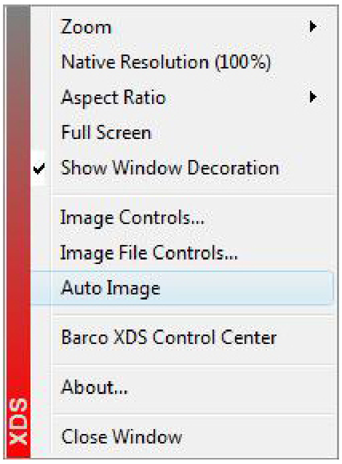
Solution steps:

Set your Graphics Card to 32 bit color depth

10.4.5 Picture in the viewer is unclear/flickering

Solution steps

1. Right-click on the viewer window to open the context menu
2. Click *Auto Image*



Zoom
Native Resolution (100%)
Aspect Ratio
Full Screen
✓ Show Window Decoration
Image Controls...
Image File Controls...
Auto Image
Barco XDS Control Center
About...
Close Window
XDS

Image 10-12
Auto image

10.5 Projector source related issues

10.5.1 Source shows black window on launch

Solution steps

Conduct the following actions/tests in the order mentioned:

1. Check source and cabling
2. Check the TextboxStatus of the Projector
3. Check for any corrupted custom files
4. Check if we are communicating with the correct projector
5. Check if PC is generating the right Color Key

Checking source and cabling

1. Stop the XDS software
2. Check if the source is showing up when manually activated using the IR remote control of the projector

   If it does not show up, then there is something wrong with the source or the cabling or the projector.

Checking the TextboxStatus of the Projector

1. Switch off the **TextboxStatus** of the projector
2. Restart XDS and see if it is resolved

   Tip: *Using the IR remote control of the projector, you can switch off the TextboxStatus. Start the OSD (on screen menu of the projector) and go to **Display Setup** → **Textbox**.*

Checking for any corrupted custom files

1. On the on-screen menu of the projector, check the **Image File Settings**

   If these settings are displayed as 0 (zero), this indicates that the selected custom file got corrupted.

2. Delete this file so that the projector automatically generates a new one

   To delete the custom file:

   a) On the on-screen menu of the projector, go to **Image Files**
   b) Select *Delete*
   c) Click *All custom files*

Checking for communication with the projector

1. To check if XDS software is really communicating with the correct projector, start the **ICConfigurationEditor.exe** tool located in the following path, **C:\Program Files\Barco\XDS\bin**
2. Open the **ICDeviceServer.conf** file
3. Check the IP address (or hostname) mentioned for the projector and double-check if this is the correct projector that you are communicating with

Check if PC is generating the right Color Key

1. If all the above steps do not help, we have the case where the PC is not generating the right Color Key
2. Swap the PC to resolve the problem

10.5.2 Video conference GUI is not visible

Solution steps

Video conference device may not be added in XDS Control Center. Check using the system configuration tool.

10.5.3 The XDS Control Center software unable to connect with Video conference device

Solution steps

Check the LAN connections and make sure that correct IP address is given while adding video conference device from system configuration tool.

10.5.4 Sharing content tab of video conference GUI is disabled

Solution steps

The type of video conference device must be mentioned while adding from system configuration tool. Otherwise the **Sharing Content** tab will be disabled.

10.6 WND source related issues

10.6.1 Sources connected to WND have black lines at top and bottom

Overview

A laptop with Intel graphics card connected to a WND box displays image with black lines at top and bottom. Although you set the graphics card to a certain resolution, it will output a bigger resolution with certain parts in black.

Solution steps

1. Right click on the desktop to open the shortcut menu

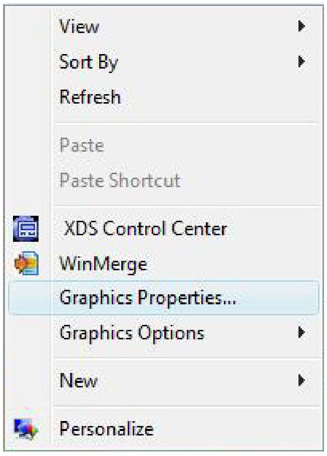
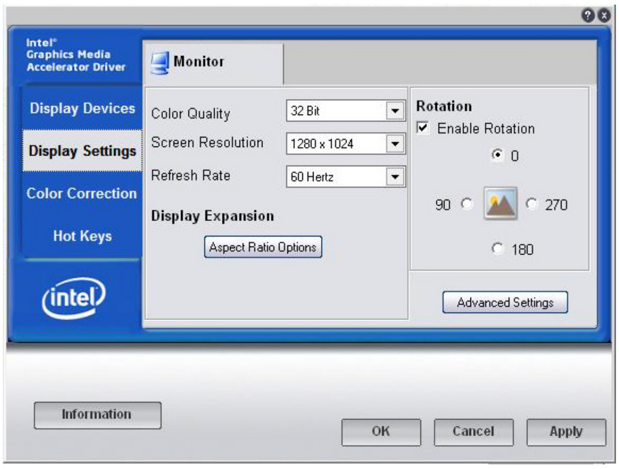

View
Sort By
Refresh
Paste
Paste Shortcut
XDS Control Center
WinMerge
Graphics Properties...
Graphics Options
New
Personalize

Image 10-13
Desktop shortcut menu

2. Click *Graphics Properties...*

   The graphics settings dialog opens.


Intel® Graphics Media Accelerator Driver
Display Devices
Display Settings
Color Correction
Hot Keys
intel
Monitor
Display Expansion
Aspect Ratio Options
Rotation
Advanced Settings
Information
OK
Cancel
Apply

Color Quality: 32 Bit
Screen Resolution: 1280 x 1024
Refresh Rate: 60 Hertz
☑ Enable Rotation
● 0
○ 90
○ 270
○ 180

Image 10-14
Graphics settings dialog

3. Click **Aspect Ratio Options**

   The **Aspect Ratio Options** dialog opens.

4. Select **Full Screen (No Border)**

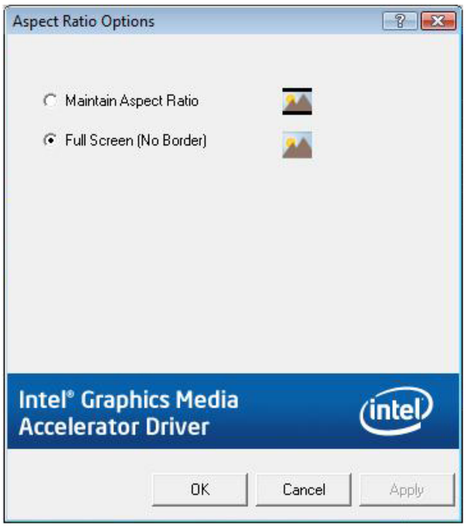

Aspect Ratio Options
○ Maintain Aspect Ratio
● Full Screen (No Border)
Intel® Graphics Media Accelerator Driver
intel
OK
Cancel
Apply

Image 10-15
Full Screen (no border)

5. Click **OK**
6. Click **Apply** and **OK** on the main dialog

10.6.2 Color difference when displaying many fine lines

Reason

When displaying an image on the display with many fine lines such as a wire frame model, the color seems to differ a lot between the different channels of the cluster source. Probably the source might be an RGB source which is connected to the WND box (possibly with matrix in between).

Solution steps

1. Right click on the source to open the context menu
2. Click *Image File Controls*
3. Adjust the **Phase** to get a sharp image with the right color

10.6.3 Channels have stereo reversed

Reason

When displaying cluster stereo source connected to WND boxes on screen, some channels have stereo reversed. Probably a master-slave setup with multiple WND boxes are used. In general, slave boxes inverse the stereo.

Solution steps

1. In order to correct, right click on each inversed channel
2. Click *Image File Controls* to open its dialog
3. Select **Swap** eyes
4. Click **Save**
   Tip: *Best is to work with* ***Force file load****.*

10.7 XDS Desktop Sharing issues

10.7.1 Unable to start the XDS Desktop Sharing client

Overview

When you start XDS Desktop Sharing, you might find a window showing **Browse…** message box for **ProServer.exe**.

Solution steps

1. Logout of Windows
2. Login to Windows with administrator privileges

3. Uninstall the XDS software from that system
4. Reinstall the required installer
5. Reboot PC if required to

10.7.2 Unable to find display in scanned Displays list

Solution steps

1. After starting up the XDS Desktop Sharing client, click **External Displays...**

   The **External Displays** dialog opens.

2. Specify the exact IP address or specify a range to scan for the display in a different subnet

10.7.3 Unable to connect to Display listed in Connections dialog

Reason

The display may have become obsolete because its properties were re-configured or the display was switched off.

Solution steps

1. On the **Connections** dialog, click **Refresh**

   If the display was switched off, it will be removed from the list. But if the display is not yet removed, it may be an external display which was added using the **External Displays Scanner**.

   To remove the display from the list:

   a) Open the **External Displays Scanner** dialog
      You will find the obsolete display listed in the **External Displays** list on the right pane
   b) Select the obsolete display and click **Delete Selected** to delete the display from the list
   c) Press **OK** to update the display list in the **Connections** dialog
      The obsolete display will be removed from list.

2. If you know the IP address of the display that you want to connect to, then please refer to **Connecting to external displays** for adding a display.

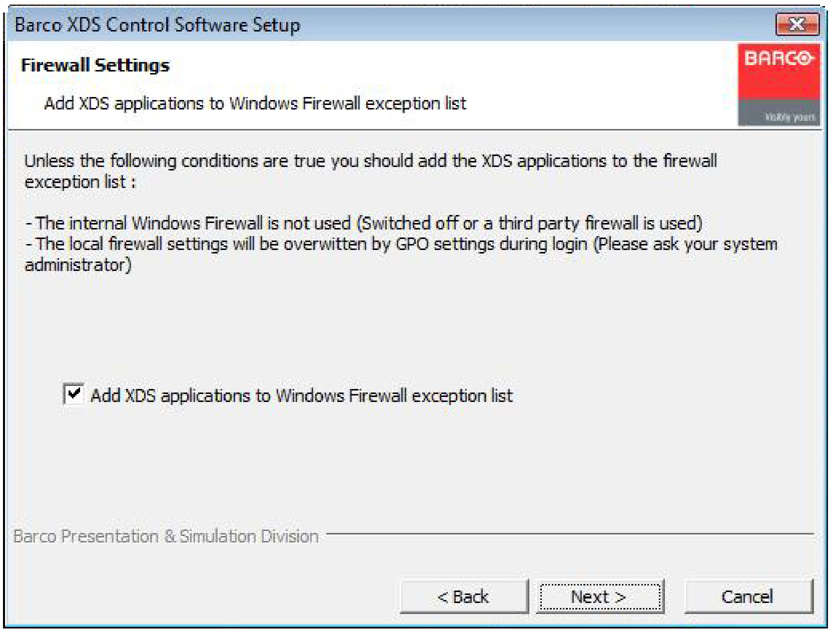
10.7.4 Display names do not appear in the Connections dialog

Reason

The firewall might be blocking the broadcast messages on display or the antivirus might be blocking the XDS Desktop Sharing Client.

Solution

To add XDS to the firewall exception list, while installing, make sure to turn on the option to **Add XDS applications to Windows Firewall exception list**



Firewall Settings

Add XDS applications to Windows Firewall exception list

Unless the following conditions are true you should add the XDS applications to the firewall exception list :

- The internal Windows Firewall is not used (Switched off or a third party firewall is used)
- The local firewall settings will be overwitten by GPO settings during login (Please ask your system administrator)

☑ Add XDS applications to Windows Firewall exception list

Barco Presentation & Simulation Division

Image 10-16
Add XDS to firewall exception list

To check if your antivirus is blocking the XDS Desktop Sharing client software, try to configure your antivirus to allow all the communications by the client. If this does not work, then stop your antivirus software and retry.

Kaspersky Antivirus has been found to block scanning Displays

10.7.5 Cannot share desktop on the Wall

Solution steps

1. From the **Task Manager**on the client PC, end the **ICDesktopSharingClient.exe** application, which will stop the XDS Desktop Sharing client
2. And also check if **PROServer.exe** is running in the Task Manager
   If so, then end the process.
3. Restart the XDS Desktop Sharing client

Checklist for using XDS Desktop Sharing client

1. In the XDS Control Center PC, make sure you have not changed the password of **PROServer**
2. If VNCServer is already installed on the XDS display, make sure that when **PROServer** is running, VNCServer is not running
   Note: *XDS Desktop Sharing is not compatible with VNCServer*

   If problem persists, try uninstalling existing VNCServer.

10.7.6 3D applications do not show up on display

Solution steps

1. To display applications using 3D graphics (based on **OpenGL** or **DirectX**), right-click on Windows desktop
2. Select *Properties*

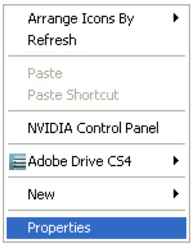
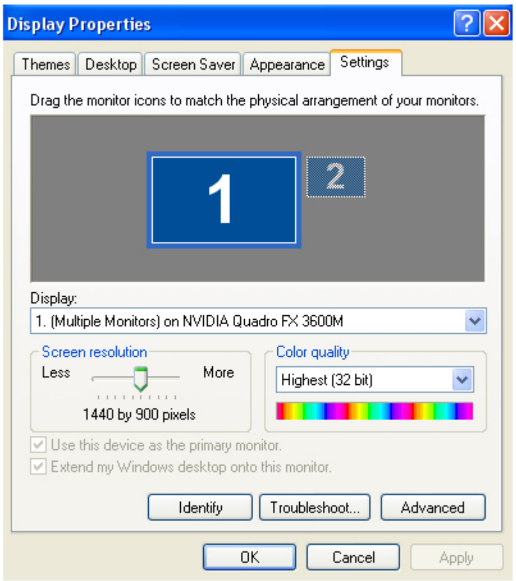

Arrange Icons By
Refresh
Paste
Paste Shortcut
NVIDIA Control Panel
Adobe Drive CS4
New
Properties

Image 10-17
Shortcut menu

The **Display Properties** dialog opens.


Display Properties
Themes
Desktop
Screen Saver
Appearance
Settings
1
2
Identify
Troubleshoot...
Advanced
OK
Cancel
Apply

Drag the monitor icons to match the physical arrangement of your monitors.

Display:
1. (Multiple Monitors) on NVIDIA Quadro FX 3600M

Screen resolution
Less More
1440 by 900 pixels

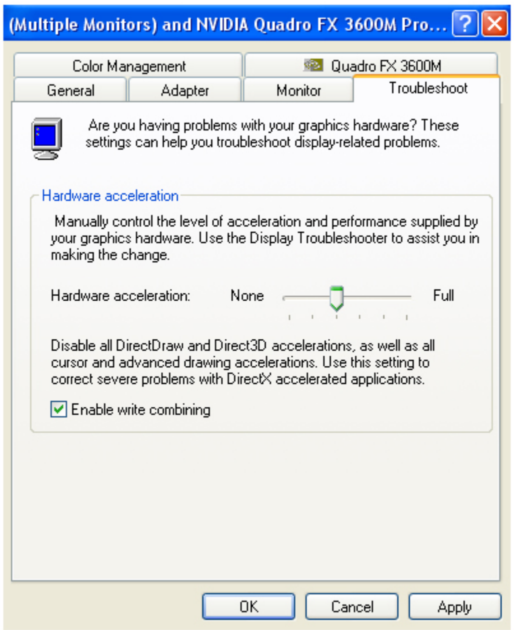
Color quality
Highest (32 bit)

☑ Use this device as the primary monitor.
☑ Extend my Windows desktop onto this monitor.

Image 10-18
Display Properties dialog

3. Click **Settings** tab
4. Click **Advanced** button

   The **Properties** dialog of the graphics hardware opens.


(Multiple Monitors) and NVIDIA Quadro FX 3600M Pro...
Color Management
Quadro FX 3600M
General
Adapter
Monitor
Troubleshoot
OK
Cancel
Apply

Are you having problems with your graphics hardware? These settings can help you troubleshoot display-related problems.

Hardware acceleration

Manually control the level of acceleration and performance supplied by your graphics hardware. Use the Display Troubleshooter to assist you in making the change.

Hardware acceleration: None Full

Disable all DirectDraw and Direct3D accelerations, as well as all cursor and advanced drawing accelerations. Use this setting to correct severe problems with DirectX accelerated applications.

☑ Enable write combining

Image 10-19
Properties dialog

5. Click **Troubleshoot** tab
6. Control the level of hardware acceleration by shifting the bar to the third level

7. Click **OK** to close the dialog
8. Click **OK** to close the main dialog

   The 3D graphics will now be visible on the display.

10.7.7 Running XDS Desktop Sharing client on Windows Vista

Settings to run XDS Desktop Sharing client on Windows Vista

You need to turn off the Windows Aero interface to run the XDS Desktop Sharing client with a reasonable frame rate on Windows Vista.

1. Right-click on the Windows Vista desktop of the client PC

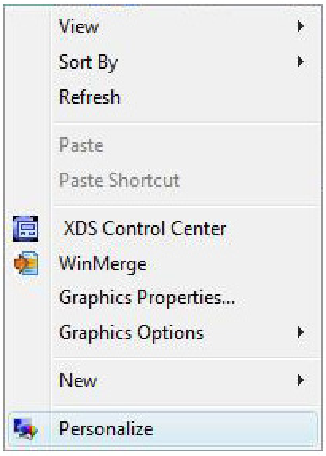
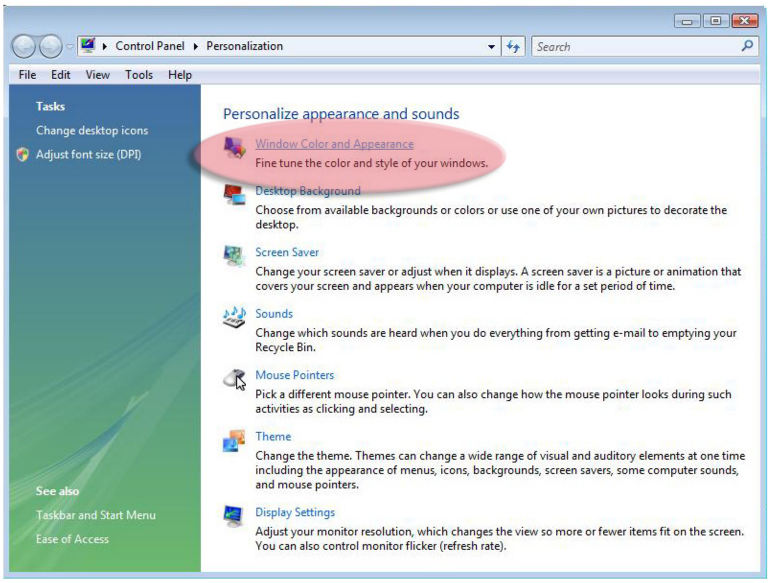

View
Sort By
Refresh
Paste
Paste Shortcut
XDS Control Center
WinMerge
Graphics Properties...
Graphics Options
New
Personalize

Image 10-20

2. Click *Personalize*

   The **Personalization** page opens.


Control Panel
Personalization
Search
File
Edit
View
Tools
Help
Tasks
Change desktop icons
Adjust font size (DPI)
See also
Taskbar and Start Menu
Ease of Access
Personalize appearance and sounds

Window Color and Appearance
Fine tune the color and style of your windows.

Desktop Background
Choose from available backgrounds or colors or use one of your own pictures to decorate the desktop.

Screen Saver
Change your screen saver or adjust when it displays. A screen saver is a picture or animation that covers your screen and appears when your computer is idle for a set period of time.

Sounds
Change which sounds are heard when you do everything from getting e-mail to emptying your Recycle Bin.

Mouse Pointers
Pick a different mouse pointer. You can also change how the mouse pointer looks during such activities as clicking and selecting.

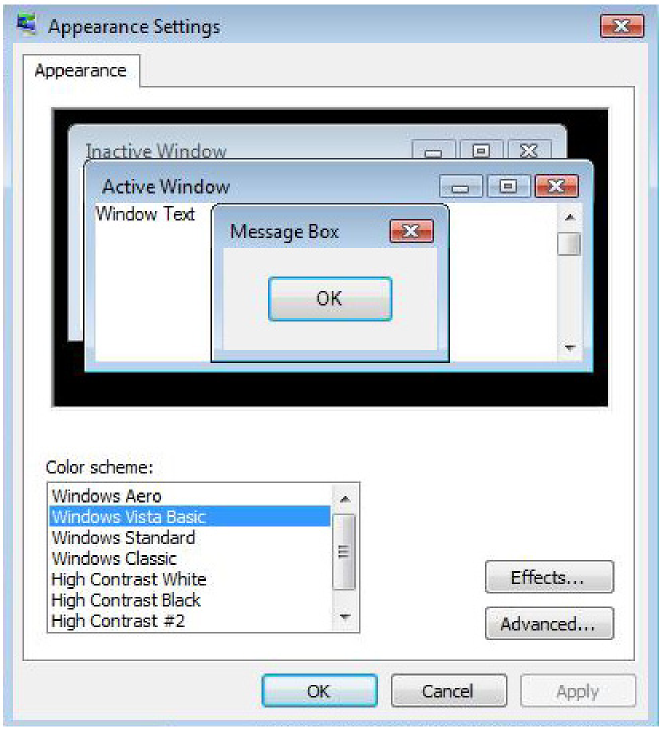
Theme
Change the theme. Themes can change a wide range of visual and auditory elements at one time including the appearance of menus, icons, backgrounds, screen savers, some computer sounds, and mouse pointers.

Display Settings
Adjust your monitor resolution, which changes the view so more or fewer items fit on the screen. You can also control monitor flicker (refresh rate).

Image 10-21

3. Click **Windows Color and Appearance**

The **Appearance Settings** dialog box opens.


Appearance Settings
Appearance
Inactive Window
Active Window
Window Text
Message Box
OK
Effects...
Advanced...
OK
Cancel
Apply

Color scheme:

- Windows Aero
- Windows Vista Basic
- Windows Standard
- Windows Classic
- High Contrast White
- High Contrast Black
- High Contrast #2

Image 10-22
Select Windows Vista Basic

4. Select **Windows Vista Basic**
5. Click **OK**

   Now you will be able to share your desktop.

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